

May 2023
Port of Stockton BayoTech Hydrogen Production and Dispensing Facility Project

ANCHOR QEA

Initial Study/Mitigated Negative Declaration

Prepared for Port of Stockton

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Prepared for
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ABBREVIATIONS

2040 General Plan	*Envision Stockton 2040 General Plan*
AB	Assembly Bill
AB 32	California Global Warming Solutions Act of 2006
BAU	business as usual
BNSF	BNSF Railway
BPS	best performance standard
BTU	British thermal unit
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
Caltrans	California Department of Transportation
CAP	*City of Stockton Climate Action Plan*
CAPP	Community Air Protection Program
CARB	California Air Resources Board
CCT	Central California Traction Company
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFC	chlorofluorocarbon
CFR	*Code of Federal Regulations*
CH_4	methane
CHRIS	California Historical Resources Information System
CI	carbon intensity
City	City of Stockton
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	CO_2 equivalence
CPUC	California Public Utilities Commission
Crosstown Freeway	Ort J. Lofthus Freeway
CSLC	California State Lands Commission
cy	cubic yard
dB	decibel

dBA	A-weighted decibel
Delta	Sacramento-San Joaquin River Delta
DNL	Day-Night Average Sound Level
DPM	diesel particulate matter
EIR	environmental impact report
EO	Executive Order
ESA	Endangered Species Act
FCEV	fuel cell electric vehicle
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
g/cm^3	gram per cubic centimeter
GHG	greenhouse gas
gpd	gallons per day
GWP	global warming potential
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
I	Interstate
ICSS	Integrated Control and Safety System
in/sec	inches per second
IS/MND	Initial Study/Mitigated Negative Declaration
ITMM	incidental take minimization measure
kg	kilogram
kWh	kilowatt hour
LCFS	Low Carbon Fuel Standard
L_{dn}	day/night average sound level
L_{eq}	equivalent sound level
LLDT	long lead double track
L_{max}	maximum sound level
L_{min}	minimum sound level
L_n	percentile exceeded noise level
LOS	Level of Service
MBTA	Migratory Bird Treaty Act
MEI	Maximally Exposed Individual
MICR	Maximally exposed individual Increased Cancer Risk
MJ	Megajoule
MRZ	mineral resource zone

MT	metric ton
N_2O	nitrous oxide
NA	not applicable
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO_x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
O_3	ozone
OPR	Governor's Office of Planning and Research
OPR Technical Advisory	*Technical Advisory on Evaluating Transportation Impacts in CEQA*
OSHA	Occupational Safety and Health Administration
PG&E	Pacific Gas and Electric
PM	particulate matter
PM_{10}	particulate matter 10 microns or smaller in diameter
$PM_{2.5}$	particulate matter 2.5 microns or smaller in diameter
Port	Port of Stockton
PPV	peak particle velocity
PRC	Public Resources Code
RNG	renewable natural gas
ROG	reactive organic gases
RTP	Regional Transportation Plan
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCH	State Clearinghouse
SCR	selective catalytic reduction
sf	square foot
SJCOG	San Joaquin Council of Governments
SJMSCP	San Joaquin County Multi-Species Habitat Conservation and Open Space Plan
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SIP	state implementation plan
SMC	City of Stockton Municipal Code
SMP	soil management plan
SMR	steam methane reformer

SO_x	sulfur oxide
SPCCP	Spill Prevention, Control, and Countermeasures Plan
SR	State Route
syngas	synthesis gas
TAC	toxic air contaminant
TIA	Transportation Impact Analysis
UP	Union Pacific Railroad
USEPA	U.S. Environmental Protection Agency
VMT	vehicle miles traveled
ZEV	Zero-Emission Vehicle

1 Introduction

1.1 California Environmental Quality Act Process

This Initial Study/Mitigated Negative Declaration (IS/MND) was prepared by the Port of Stockton (Port) to identify the potential environmental impacts of the proposed BayoTech Hydrogen Production and Dispensing Facility Project (proposed project) under the California Environmental Quality Act (CEQA; 13 Public Resources Code [PRC] 21000 et seq.) and the CEQA Guidelines (14 California Code of Regulations [CCR] 15000 et seq.). The proposed project involves development and operation of a hydrogen production and dispensing facility at the Port. BayoTech, Inc. (BayoTech), would operate the hydrogen production and dispensing facility to produce and distribute hydrogen to customers throughout the region. The Port is the lead agency for the proposed project under CEQA.

One of the main objectives of CEQA is to disclose the potential environmental effects of proposed activities to the public and decision-makers. CEQA requires that the potential environmental effects of a project be evaluated prior to implementation. This IS/MND includes a discussion of the proposed project's impacts on the existing environment, including the identification of avoidance, minimization, and mitigation measures.

Under CEQA, the lead agency is the public agency with primary responsibility over approval of a proposed project. The Port has directed the preparation of an environmental document that complies with CEQA and will consider the information in this document when determining whether to approve the proposed project. The preparation of initial studies is guided by Section 15063 of the CEQA Guidelines, whereas Sections 15070 through 15075 guide the process for the preparation of a Negative or Mitigated Negative Declaration. Where appropriate and supportive to an understanding of the issues, reference will be made to the statute, the CEQA Guidelines, or appropriate case law.

This IS/MND meets CEQA content requirements by including a project description; descriptions of the environmental setting, potential environmental impacts, and mitigation measures for any potentially significant impacts; and discussion of the proposed project's consistency with plans and policies.

1.2 Lead Responsible and Trustee Agencies

The CEQA Guidelines identify "the lead agency as the public agency which has the principal responsibility for carrying out or approving a project" (14 CCR 15367). The Port is the CEQA lead agency for the proposed project and has the primary responsibility for carrying out the proposed project.

Projects or actions undertaken by the lead agency (in this case, the Port) may require subsequent oversight, approvals, or permits from other public agencies. Other such agencies are referred to as responsible agencies and trustee agencies. Pursuant to CEQA Guidelines Sections 15381 and 15386, as amended, responsible and trustee agencies are defined as follows:

1. A **responsible agency** is "a public agency which proposes to carry out or approve a project, for which a Lead Agency is preparing or has prepared an EIR or Negative Declaration. For the purposes of CEQA, the term 'Responsible Agency' includes all public agencies other than the Lead Agency which have discretionary approval authority over the project" (CEQA Guidelines Section 15381).
2. A **trustee agency** is "a state agency having jurisdiction by law over natural resources affected by a project which are held in trust for the people of the State of California" (CEQA Guidelines Section 15386). Trustee agencies have jurisdiction over natural resources held in trust for the people of California but do not have a legal authority over approving or carrying out a project. CEQA Guidelines Section 15386 identifies the following four agencies as potential trustee agencies for projects subject to CEQA:
    - California Department of Fish and Wildlife (CDFW), regarding "fish and wildlife, native plants designated as rare or endangered, game refuges, and ecological reserves"
    - California State Lands Commission (CSLC), regarding "state owned 'sovereign' lands such as the beds of navigable waters and state school lands"
    - California Department of Parks and Recreation, regarding "units of the State Park System"
    - University of California, regarding "sites within the Natural Land and Water Reserves System"

Table 1 summarizes the expected relevant regulatory agencies, their expected jurisdiction (i.e., trustee or responsible agency), and their statutory authority as related to the proposed project. The jurisdiction of these agencies will be confirmed through subsequent coordination.

Table 1
Regulatory Agencies and Authority

Regulatory Agency	Jurisdiction	Statutory Authority/Implementing Regulations
Central Valley Regional Water Quality Control Board	Responsible agency	• Reviews projects for authorization under the Porter-Cologne Water Quality Control Act and Clean Water Act Section 401 and 402 (National Pollutant Discharge Elimination System [NPDES]) The proposed project is expected to require a NPDES permit to regulate construction-related stormwater at the site.
San Joaquin Valley Air Pollution Control District	Responsible agency	• Review authority under the California Clean Air Act • Responsible for implementing federal and state regulations at the local level and permitting stationary sources of air pollution

Regulatory Agency	Jurisdiction	Statutory Authority/Implementing Regulations
		The proposed project is expected to require an air permit for construction of hydrogen cells.
San Joaquin County Department of Environmental Health	Responsible agency	• Regulates the handling, disposal, generation of, and cleanup from accidental spills of hazardous waste, on-site petroleum storage, and drilling activities in San Joaquin County, which may be applicable to the proposed project
San Joaquin Council of Governments	Responsible agency	• Reviews and approves projects obtaining coverage under the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan, which may be applicable to the proposed project
City of Stockton Building Department	Responsible agency	• Reviews and approves mechanical, electrical, demolition, and building permits in Stockton, which are expected to be required for the proposed project
City of Stockton Public Works	Responsible agency	• Regulates movement of large vehicles through the City on roadways, which will be applicable to the proposed project
Stockton Fire Department	Responsible agency	• Reviews and approves fire protection systems, which will be applicable to the proposed project

1.3 Public Participation, Consultation, and Coordination

Public participation is an integral part of the CEQA process. Public participation facilitates two-way communication between the public and the lead agency (the Port) decision-makers, ensuring that public concerns and input are considered in the final decision. The Port's public participation process ensures that interested persons are informed about discretionary decisions and have the opportunity to provide input. The Port also consults with public agencies in a variety of ways when developing CEQA documents, including direct agency outreach and distribution of documents. This Draft IS/MND will be posted on the Port's CEQA webpage at https://www.portofstockton.com/ceqa-documents/ and will be the subject of a public meeting to be held during the 30-day public review period.

1.3.1 Regulatory Guidance Related to Public Outreach and Coordination

1.3.1.1 Assembly Bill 52

Assembly Bill (AB) 52 became effective on July 1, 2015, requiring lead agencies to consider the effects of projects on tribal cultural resources and to conduct notification and consultation with federally and non-federally recognized Native American tribes and the Native American Heritage Commission (NAHC) early in the environmental review process. Two Native American tribes, the Buena Vista Rancheria of Me-Wuk Indians of California and the Wilton Rancheria Tribe, have requested consultation on CEQA documentation for projects at the Port. The Port notified these two tribes—as well as the Tule River Indian Tribe, Confederated Villages of Lisjan, Muwekma Ohlone Indian Tribe of the SF Bay Area, the Wuksache Indian Tribe/Eshom Valley Band, and the Northern Valley Yokuts

Tribe—of the proposed project by email and by letter on July 20, 2022, and requested a search of NAHC's Sacred Lands Information File on July 1, 2022. The NAHC responded on August 8, 2022, that the search was negative.

1.3.1.2 Assembly Bill 617

AB 617 (C. Garcia, Chapter 136, Statutes of 2017) requires the California Air Resources Board (CARB) to develop an air toxic monitoring plan for the State, focusing on community air monitoring at the highest priority locations, considering factors such as the presence of sensitive receptors like schools and hospitals, whether the community is disadvantaged, and whether there is a high degree of exposure to toxic air contaminants (TACs) and criteria air pollutants. In response to AB 617, CARB has established the Community Air Protection Program (CAPP). The goal of CAPP is to reduce exposure in communities most impacted by air pollution. CAPP works with local air districts to implement monitoring networks and address emission sources. Three AB 617 communities have been identified in the San Joaquin Valley, including the Southwest Stockton Community. The San Joaquin Valley Air Pollution Control District (SJVAPCD) is working closely with community residents, community businesses, and other key stakeholders, including the Port, to reduce exposure to harmful air pollutants in selected communities. Through the implementation of the AB 617 legislation, SJVAPCD, with input from the community, will deploy additional community-specific air quality monitoring to better understand the impacts of local sources of pollution and develop community-specific emission reduction programs. The Port is a member of the AB 617 Community Steering Committee and intends to be active in developing strategies to protect public health and the environment.

1.4 Incorporation by Reference

As permitted in Section 15150 of the CEQA Guidelines, CEQA lead agencies may reference all or portions of another document that is a matter of public record or is generally available to the public. Information from documents that have been incorporated by reference is briefly summarized in the appropriate sections of this IS/MND, along with a description of how the public may obtain and review these documents. The documents that are incorporated by reference in this IS/MND are summarized in Sections 1.4.1 through 1.4.3. Documents that are incorporated by reference are available for review at the Internet links provided in the following sections or during working hours from 8:00 a.m. to 5:00 p.m., Monday through Friday at the Port, at 2201 West Washington Street, Stockton, California 95201.

1.4.1 City of Stockton 2040 General Plan

The City of Stockton's (City's) *Envision Stockton 2040 General Plan* (2040 General Plan; State Clearinghouse [SCH] number 2017052062; City 2018a), which is available online at http://www.stocktongov.com/files/Adopted_Plan.pdf, is appropriate to incorporate by reference because the 2040 General Plan establishes the land use designations for the project site with which

the proposed project is consistent. The 2040 General Plan identifies most of the areas surrounding the project site as Industrial/Port Use and specifically identifies the project areas on the East Complex as Industrial. The 2040 General Plan also guides the maintenance, design, and operation of transportation resources in Stockton, including streets and highways within the project area, and sets regional noise standards based on land use designations.

1.4.2 City of Stockton Municipal Code

The City of Stockton Municipal Code (SMC), which is available online at https://qcode.us/codes/stockton/, is appropriate to incorporate by reference because the City designates Landmarks and Historic Sites under SMC Title 16, Division 7, Chapter 16.220. Landmarks are artifacts, natural features, or structures notable for one or more of the following: archaeological interest; architectural artistry, style, or type; association with a historic event or person; association with the heritage of the city, state, or nation; visual characteristics; relationship to another landmark; or integrity as a natural environment. Port resources have been identified as having significant historical or cultural significance. SMC Title 16, Division 5, Chapter 16.130 provides protection for heritage oaks in Stockton.

1.4.3 City of Stockton Climate Action Plan

The City's Climate Action Plan (CAP; SCH number 2012042065; City 2014), which is available online at http://www.stocktonca.gov/files/Climate_Action_Plan_August_2014.pdf, is appropriate to incorporate by reference because the CAP provides goals and associated measures in the sectors of energy use, transportation, land use, water, solid waste, and off-road equipment. Consistent with SJVAPCD, the CAP relied on a goal of 29% reduction in greenhouse gas (GHG) emissions from business as usual by 2020. As described in the CAP (City 2014), the City will "revisit this plan in the future to examine whether there exist additional options to further reduce GHG emissions, and whether such options might be feasible in improved economic conditions" beyond 2020. An updated community GHG inventory was planned during fiscal year 2021 to 2022 but has not yet been released (City 2021a).

2 Project Description

The proposed project is the development and operation of a hydrogen production and dispensing facility at the Port in the City. Under the proposed project, BayoTech would develop and operate the hydrogen production and dispensing facility and produce and distribute hydrogen to customers throughout the region. Hydrogen fuel generates power using a chemical reaction rather than combustion. It is used for a wide range of applications, including supplying electricity to electric power grids and supplying backup or emergency power in buildings, as an alternative zero-emission vehicle fuel, and for military applications. The proposed project would involve issuance of a new lease by the Port to BayoTech for the conversion of a vacant approximately 5-acre parcel into a hydrogen-generation, compression, and storage facility to support an increasing demand for hydrogen fuel, specifically for passenger and heavy vehicle transportation fueling (diesel replacement), fueling of stationary and mobile fuel cell power applications within the Port, and fueling of stationary and mobile fuel cell power applications for commercial and industrial customers.

2.1 Project Location and Environmental Setting

CEQA Guidelines Section 15063(d)(1) requires that an Initial Study identify the environmental setting. This setting is used to determine environmental impacts. As further described in Section 2.1, the approximately 5-acre project site is surfaced with graded soil. There are no structures on the project site and no industrial, commercial, or other uses occur under existing conditions at the project site. The environmental setting as it relates to individual resource topics is described in Section 3.

2.1.1 Regional Setting

The Port is located approximately 75 miles east of San Francisco and 40 miles southeast of Sacramento. The Port is bisected by the San Joaquin River (within which is the Stockton Deep Water Ship Channel) and is subsequently divided into the East Complex and the West Complex (Rough and Ready Island). The Port is located within the City's urban core, which is characterized by a mix of heavy industrial uses with limited landscape features, older residential neighborhoods, neighborhood commercial shopping centers, and a variety of other commercial and industrial parcels (Figure 1). The East Complex, where the project is proposed, encompasses approximately 680 acres bounded to the north by the Stockton Deep Water Ship Channel and turning basin; to the east and south by the Port's Public Beltline Railroad main lead and Atchison, Topeka, and Santa Fe Railroads; and to the west by the San Joaquin River.

The proposed project location is at the intersection of W. Washington Street and Navy Drive in the East Complex. The project site is located within a highly developed and industrialized area. The property is bounded by Forrestal Village Road on the north, west, and south and by Navy Drive on the east; train tracks also encircle the northern part of the property. The site is currently vacant and encompasses approximately 5 acres of undeveloped, graded land.

Directly south of the project site, the Port leases property to Pelican Renewables, LLC, which produces renewable transportation fuels at its facility. The Pelican Renewables parcel is characterized by the presence of storage tanks, silos, large storage facilities, railroad facilities, and factory components. Other parcels in the vicinity are used for various industrial uses, with similar characteristics to the Pelican Renewables parcel in addition to maritime terminals and stockpiles of various commodities. The City's 2040 General Plan (City 2018) designates the project site for industrial use, and the zoning classification of the project site and surrounding parcels is Port or Industrial, General.

2.1.2 Project Site Setting

The project site is currently vacant and encompasses approximately 5 acres of undeveloped and unvegetated land (Figure 1; Photograph 1). There is no pavement on the site; the site consists of graded soil. Primary access to the site is at the intersection of Navy Drive and W. Washington Street, via Forrestal Village Road.

Photograph 1
Aerial View of Project Site, April 2022



Figure 1
Vicinity Map



2.2 Project Need and Objectives

The objective of the proposed project is to develop, build, and operate a hydrogen production plant and dispensing facility using modular production technology to address growing demands for hydrogen fuel in the region and in the state. California's demand for energy is increasing and projected to increase in future years, due to population growth and other factors, including climate change. Hydrogen can play an important role in increasing energy security and reducing GHG emissions in California.

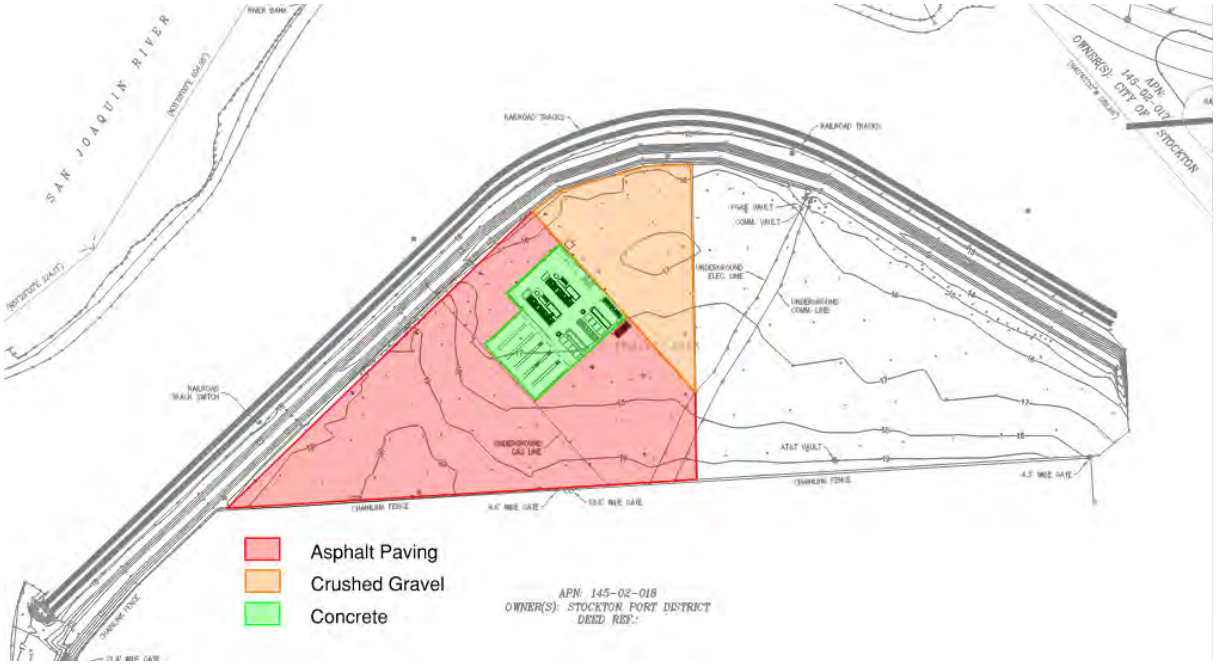
Previous modeling approaches have estimated that hydrogen could play an important role in the decarbonization of transportation, as well as the building and industry sectors (Gilani and Sanchez 2020). As part of the *2020 Integrated Energy Policy Update* report, the California Energy Commission found that building out a standardized Zero-Emission Vehicle (ZEV) charging infrastructure and hydrogen fueling infrastructure will be critical to market growth and achieving statewide vehicle and climate goals (CEC 2020a) and Executive Order B-48-18 sets a statewide policy goal of developing 200 hydrogen stations to allow the state to satisfy the fueling needs of more than 100,000 light-duty fuel cell electric vehicles (FCEVs).

Small and local hydrogen production, similar to the proposed project, addresses the need for hydrogen to fuel the growing zero-emission fleets in California by reducing transportation costs and emissions associated with importing hydrogen from larger, more distant providers. With its hydrogen production plant, BayoTech would produce hydrogen for customers and contribute to energy security in the region. Expansion of hydrogen as a transportation fuel has also been supported by the CARB's most recent Advanced Clean Cars program and the Low Carbon Fuel Standard (LCFS).

2.3 Proposed Project Construction

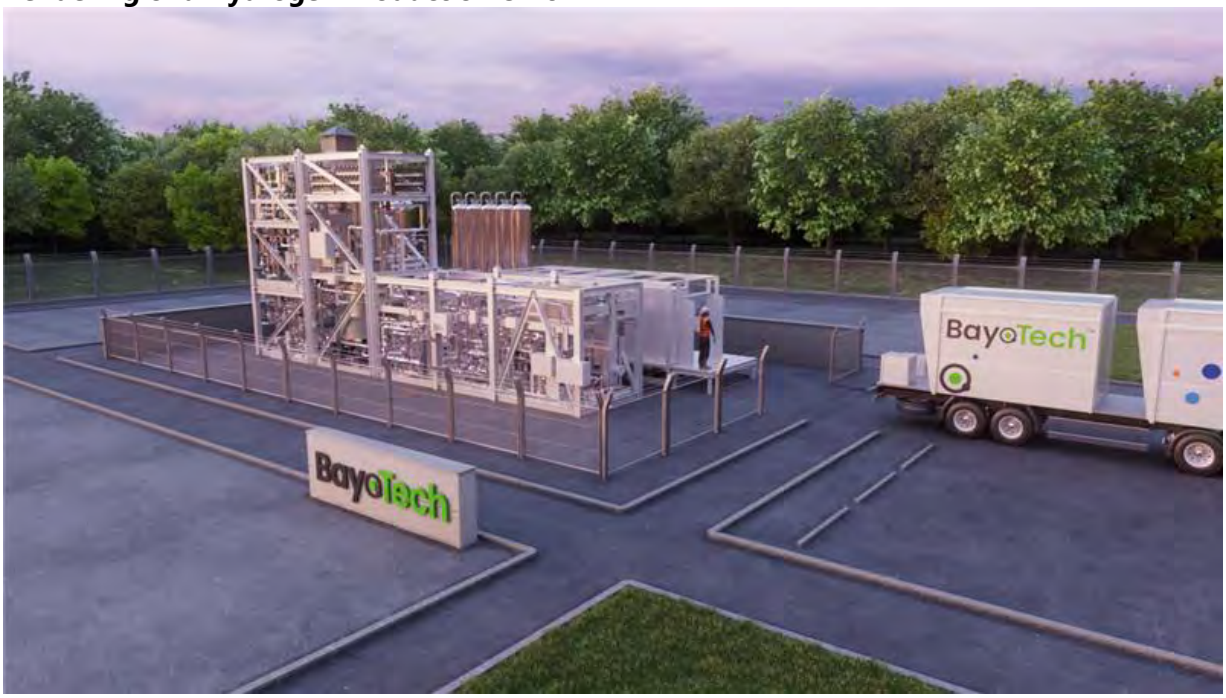
Proposed project construction activities would include excavating; grading; paving; constructing slabs on grade; and installing equipment, lighting, and utility connections. Although the current topography allows for minimal site preparation during grading, soils would be excavated and recompacted on site in accordance with the 2019 California Building Code to accommodate the proposed industrial equipment and parking areas. Asphalt paving, concrete, and crushed gravel are planned for the approximately 5-acre project site, as depicted on Figure 2. After the hydrogen production and dispensing facility is built, it would be commissioned and subjected to various quality control tests.

Figure 2
Proposed Paving



The proposed hydrogen production and dispensing facility would include truck parking, hydrogen compressors (approximately 120 sf each), hydrogen storage pods (up to 160 sf each), and BayoTech's H2-1000 Hydrogen Generation System (500 sf). The equipment compound would be protected with a new solid wall on two sides and a vinyl fence with bollards on the other two sides, along with a 3-foot human gate and a 12-foot service gate. A rendering of a typical hydrogen production hub is provided in Figure 3.

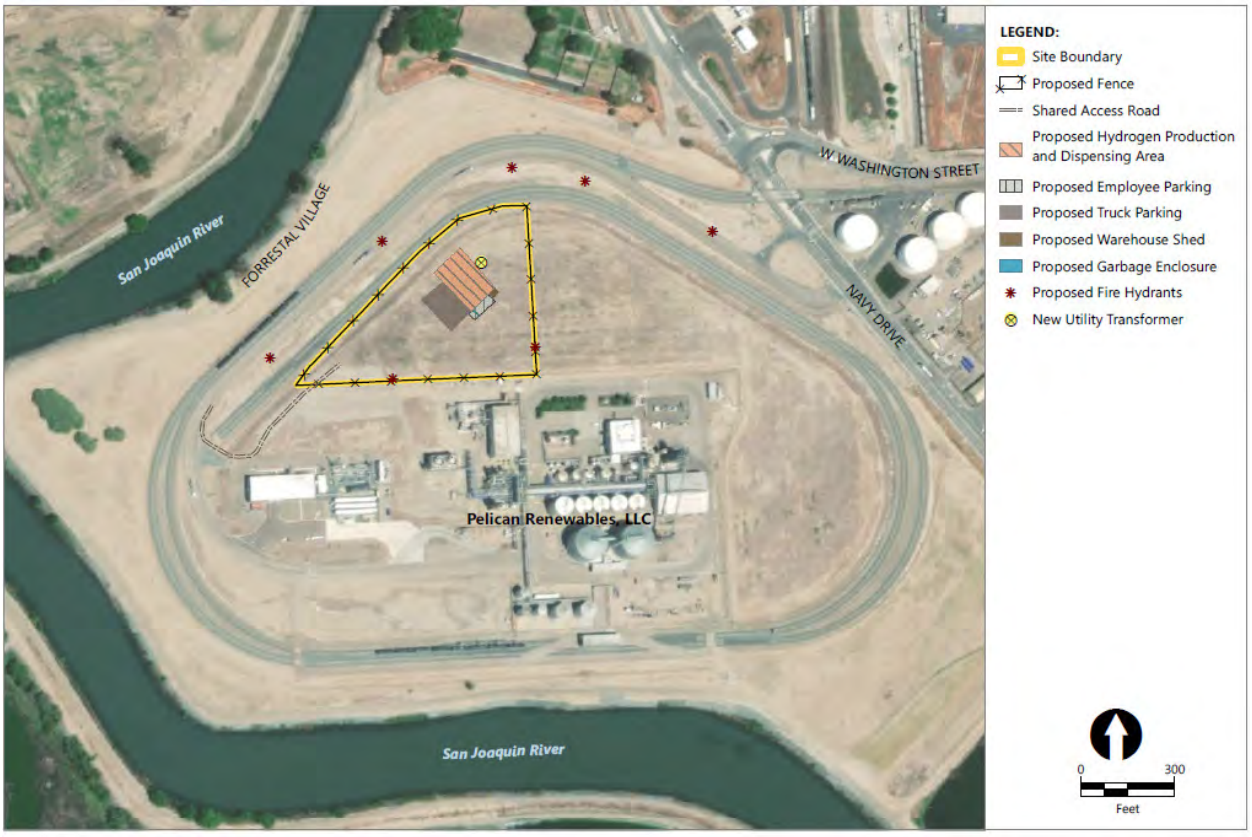
Figure 3
Rendering of a Hydrogen Production Unit



Source: BayoTech 2022

Additionally, new utility connections would be installed at the facility, including electrical, water, sanitary, and natural gas. New water service for the site would be connected from the water main located on Navy Drive. Water use associated with the proposed project is expected for domestic services, water used in operational systems, and fire lines for fire hydrants. A total of two new on-site fire hydrants would be added as well as five new fire hydrants along the existing access road and rail spur. Sanitary sewer and gas services would be routed to a new connection along Navy Drive. A warehouse facility, located just outside of the hydrogen production and dispensing facility, would include a storage office and employee parking spaces (Figure 4). In total, it is expected that the various hydrogen production and dispensing and warehouse facilities would occupy an area of approximately 0.5 acre. A perimeter fence installed around the entire project area, an automatic safety gate for entry with cameras, and site lighting for security would be installed at the project site. The existing access road that currently serves the Pelican Renewables facility would be shared with BayoTech, as shown in Figure 4. Site plans showing all project elements are provided in Appendix A.

Figure 4
Proposed Project Elements



Construction of the proposed project is anticipated to commence in summer 2023 and be completed in late 2023 or early 2024. The anticipated total construction duration is approximately 3 to 4 months, sequenced over several phases. Construction equipment would include rubber-tired dozers, tractors/loaders/backhoes, excavators, graders, scraper, cranes, forklifts, generators, welders, air compressors, and paving equipment. Table 2 identifies heavy equipment that would be required to construct the proposed project. Hand tools and other miscellaneous machinery may also be required. The construction schedule shown in Table 2 reflects the most conservative estimates of construction timing.

Table 2
Proposed Construction Schedule and Equipment

Phase	Construction Phase	Duration	Construction Equipment	Quantity
1	Mobilization	5 days	Forklifts	1
			Generators	1
			Welders	1
2	Site preparation: excavation, grading, paving, and construction of slabs on grade	25 days	Rubber-tired dozers	1
			Tractors	1
			Loaders	1
			Backhoes	1
			Excavators	1
			Graders	1
			Scraper	1
			Forklifts	1
			Generators	1
			Welders	1
			Air compressors	1
3	Civil: trenching, testing, and cover of underground piping/ conduit/ground grid, foundation forms, re-steel assembly, and concrete pours	15 days	Loaders	1
			Backhoes	1
			Excavators	1
			Graders	1
			Forklifts	1
			Generators	2
			Welders	1
			Air compressors	1
			Paving equipment	1
4	Installation of hydrogen-production equipment	14 days	Cranes	2
			Forklifts	1
			Generators	2

Phase	Construction Phase	Duration	Construction Equipment	Quantity
			Welders	1
			Air compressors	1
5	Electrical and pipeline interconnections	33 days	Generators	2
			Welders	3
6	Commissioning/ test of system	22 days	No equipment required	2
7	Demobilization	5 days	Rubber-tired dozers	1
			Tractors	1
			Loaders	1
			Graders	1
			Air compressors	1
			Paving equipment	1

2.4 Proposed Project Operations

The proposed facility would operate 24 hours per day, 7 days per week, 350 days per year. Under proposed project operations, BayoTech's hydrogen production and dispensing facility would produce up to 700,000 kilograms (kg) of hydrogen per year, as shown in Table 3. Hydrogen would be produced using BayoTech's H2-1000 Hydrogen Generation System (Photograph 2) through a process that extracts hydrogen from natural gas using steam. Natural gas would be provided from local providers including Pacific Gas and Electric (PG&E) by connecting to existing Port power infrastructure. The hydrogen would then be compressed and stored in BayoTech's hydrogen storage pods and dispensed to transport trailers for distribution to customers in the area (Photograph 3). Up to 2,000 kg of hydrogen would be stored on site in fixed storage containers. On-site BayoTech tube trailers, with the cylinders for transport, may also be used to contain and store hydrogen awaiting delivery to customers. All storage would be above ground. While hydrogen is a nontoxic, lighter-than-air gas, which negates risk from inhalation or pooling, the U.S. Department of Energy strictly regulates the production, storage, and delivery of hydrogen at high pressure due to its flammability.

Hydrogen produced at the facility would be distributed by hydrogen transportation trailers owned both by BayoTech and by various customers. Dispensing the hydrogen into the trailers may take between 1 and 10 hours, and each trailer can carry between 50 and 500 kg of hydrogen. The production would be remotely monitored and controlled using industry standard control systems and cloud infrastructure from a purpose built, state-of the-art control center, located at BayoTech's operational headquarters in Albuquerque, New Mexico.

Table 3
Predicted Daily and Annual Throughput

Utility	Daily	Annual
Hydrogen producing	Up to 2,000 kg	Up to 700,000 kg
Hydrogen dispensing	Up to 2,000 kg	Up to 700,000 kg

Photograph 2
BayoTech's Hydrogen Facility in Albuquerque, New Mexico



Source: Palmer 2022

Photograph 3
Typical Hydrogen Trailer



On-site dispensing operations would take place for up to 16 hours per day, between 6 a.m. and 10 p.m. based upon customer demand, during which time—at a minimum—one trained and qualified BayoTech technician would be present. Typical on-site staff are expected to include one maintenance person during normal operation and one or two truck drivers picking up and dropping off trailers. During shift changes, safety inspections, maintenance, and other normal operations, additional BayoTech or contractor personnel may also be on site.

Traffic and vehicle activity is expected to contain a variety of authorized trucks and trailers. It is expected that there would be approximately eight to ten commercial trailers entering and exiting the site daily. Two to three staff vehicles are expected to enter and exit the site daily. BayoTech trucks and trailers would be parked on site overnight when not in use. Total daily and annual vehicle trips are shown in Table 4.

Table 4
Predicted Daily and Annual Vehicle Traffic and Hydrogen Loads

Vehicle Type	Vehicle Trips per Day	Vehicle Trips per Year	Hydrogen per Trailer (kg)
BayoTech and customer trailers	8-10	2,100–4,900	50–500
BayoTech staff vehicles (hub techs and drivers)	2-3	1,400–2,100	NA

As previously mentioned in Section 2.3, new utility connections would include natural gas, electricity, potable water, and sewage. New utility requirements for proposed project operations are shown in Table 5.

Table 5
Predicted Daily and Annual Utility Requirements

Utility	Requirements
Pipeline natural gas	142 – 291 standard cubic feet per minute
Electricity (480 volts)	600 – 1,220 kWh per day
Sanitary	1,496 – 2,950 gpd
Potable water	2,993 – 6,118 gpd

3 Environmental Checklist

1. **Project Title:** Port of Stockton BayoTech Hydrogen Production and Dispensing Facility
2. **Lead Agency:** Port of Stockton
   2201 West Washington Street
   Stockton, California 95203
3. **Contact Person:** Jason Cashman
4. **Project Location:**
5. **Project Sponsor:** Port of Stockton
6. **General Plan Designation:** Industrial (East Complex)
7. **Zoning:**
8. **Description of Project:**
9. **Surrounding Land Uses and Setting:** Surrounding land uses in the Port are industrial. Surrounding land uses in the City's urban core are characterized by a mix of heavy industrial uses with limited landscape features, older residential neighborhoods, neighborhood commercial shopping centers, and a variety of other commercial and industrial parcels.
10. **Other Public Agencies Whose Approval Is Required:**
11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

3.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by the proposed project, involving at least one impact that is potentially significant (after incorporation of mitigation measures) as indicated by the checklist.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology/Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☐ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

3.2 Determination

On the basis of this initial evaluation:

☐ I find that the proposed subsequent activity COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions to the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect: 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards; and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects: a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards; and b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Date
Printed Name	For

3.3 Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off site as well as on site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration: Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less-Than-Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a. The significance criteria or threshold, if any, used to evaluate each question; and
    b. The mitigation measure identified, if any, to reduce the impact to less than significance.

3.3.1 Aesthetics

Except as provided in Public Resources Code Section 21099, would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b.	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a scenic highway?	☐	☐	☐	☒
c.	In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d.	Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?	☐	☒	☐	☐

3.3.1.1 Affected Environment

3.3.1.1.1 Regional Setting

The proposed project is located within the City's urban core, which is characterized by a mix of heavy industrial uses with limited landscape features, older residential neighborhoods, neighborhood commercial shopping centers, and a variety of other commercial and industrial parcels. The proposed project would occur entirely within Port property, on the Port's East Complex. In most of the areas surrounding the project site, the Port leases property for a variety of industrial uses characterized by storage tanks, railroad facilities, large storage buildings, and stockpiles of various commodities. A residential area, the Boggs Tract neighborhood, is located approximately 1.1 miles to the east of the project site. Regional land uses that affect the visual character include residential infill, agricultural lands, industrial and commercial facilities, BNSF Railway (BNSF) rail lines and right-of-way, and the San Joaquin River (serving industrial, recreational, and natural uses), located approximately 485 feet west of the project site.

3.3.1.1.2 Scenic Highways

California's Scenic Highway Program was created by the State Legislature in 1963 with the purpose of protecting and enhancing the natural scenic beauty of California highways and adjacent corridors through special conservation treatment. The State laws governing the Scenic Highway Program are found in the Streets and Highways Code, Sections 260 through 284. A list of California's scenic highways and a map showing their locations may be obtained from the California Department of

Transportation's (Caltrans's) Scenic Highway Coordinators (Stockton Port District 2013). There are no designated state scenic highways in the immediate vicinity of the proposed project. The closest scenic highway to the project site is the portion of Interstate-580 (I-580) from I-5 to I-205, which is located 20 miles southwest of the Port.

3.3.1.1.3 Study Area Setting

The proposed project is located on the Port's East Complex; the visual landscape in the study area of both comprise largely industrial facilities, roads and railways, and barren parcels planned for development. As described in Section 2.1.2 and depicted in Photograph 1, the project site is currently vacant and encompasses approximately 5 acres of undeveloped and unvegetated land that is bounded by rail tracks to the north and an adjacent lot to the south. The tallest structures at the hydrogen production and dispensing facility would be approximately 25 to 30 feet in height. The adjacent lot is leased by Pelican Renewables and contains storage tanks, silos, and other industrial facilities. The height of the tallest structures at Pelican Renewables is approximately 130 feet. Other sites in the vicinity have similar characteristics and industrial uses. The San Joaquin River is located approximately 485 feet west of the site.

3.3.1.1.4 Project Viewshed

Views throughout the project area are largely obscured by industrial developments and busy roadways within the Port, as depicted in Photograph 4. As previously stated, the nearest residential area, the Boggs Tract neighborhood, is located approximately 1.1 miles east of the project site, and the nearest recreational area is located approximately 485 feet west of the project site. The project site is not visible from the nearest residential receptors nor from the nearest recreational receptors.

Photograph 4
View of Project Site from Navy Drive, Looking South



Source: Google Earth 2022

3.3.1.2 Impact Evaluation

A: Would the project have a substantial adverse effect on a scenic vista?

No Impact. There are no applicable regulations governing scenic quality at the project site, and the visual character of the study area would not be changed by the proposed project. The existing visual character in the study area is not considered scenic, nor are there any identified scenic vistas within the project area. Therefore, there would be no impact to scenic vistas.

B: Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a scenic highway?

No Impact. The proposed project would not affect any rock outcroppings or historic buildings along a scenic highway. There are no designated state scenic highways within the project area, and the visual character of the study area (industrial and Port uses) is consistent with the proposed project. Therefore, there would be no impact to scenic resources.

C: In nonurbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less-than-Significant Impact. The proposed project is located within the City's urban core and would not conflict with applicable zoning. There are no applicable regulations governing scenic quality at the project site, and the visual character of the study area would not be changed by the proposed project.

The most prominent permanent visual change resulting from the proposed project would be from installing the hydrogen production and dispensing station. Although the project site is visible from Forrestal Village Road and may be partially visible from Navy Drive and West Washington Street, proposed site conditions (including the hydrogen production and dispensing station) would be consistent with the existing visual character of the project site and its surroundings, which includes other industrial features similar or larger in scale.

The proposed project would result in a modest increase in truck calls. Truck operations under the proposed project would be aesthetically similar and consistent with those of existing conditions within the industrialized area. Short-term construction activities would be similarly obscured from view by on-site and adjoining developments. Truck or other vehicle traffic generated by construction would not alter the visual character of the project site and surroundings due to its location within an industrialized area.

While the proposed project would result in a change in the visual character of the project area itself, specifically from changing a vacant site to a fully constructed and operational hydrogen production and dispensing station, the coherence and unity of the established patterns of landscape features with the adjoining properties would be maintained due to the proposed project's similar aesthetic. Based on the conditions described above, there would be a less-than-significant impact to the existing visual character or quality of the project site from the proposed project.

D: Would the project create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?

Less-than-Significant Impact After Mitigation. The hydrogen production and dispensing station would be operational throughout the night, and operational and security lighting changes are anticipated as part of the proposed project. Additionally, the proposed project would introduce new sources of glare. Operation of the proposed project without mitigation could result in potentially significant impacts on daytime and nighttime views in the area.

Mitigation Measures: The following mitigation measure would be implemented to reduce potential glare impacts:

- **AES-MM-1: Use of full cut-off light shields and/or anti-glare lighting.** The proposed project will include construction elements that would lessen impacts of light and/or glare, such as full cut-off light shields and/or anti-glare lighting.

Potential impacts to daytime and nighttime views in the area would be avoided through implementation of mitigation measure AES-MM-1, which includes use of full cut-off light shields and/or anti-glare lighting. With implementation of this mitigation measure, the proposed project would have less-than-significant impact to daytime and nighttime views in the area.

3.3.2 Agricultural and Forestry Resources

	In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project, and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	**Potentially Significant Impact**	**Less-Than-Significant Impact After Mitigation**	**Less-Than-Significant Impact**	**No Impact**
a.	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b.	Conflict with existing zoning for agricultural use or a Williamson Act contract?	☐	☐	☐	☒
c.	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220[g]), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104[g])?	☐	☐	☐	☒
d.	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e.	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

3.3.2.1 Affected Environment

The 2040 General Plan (City 2018a) designates the project area as "Industrial" and the zoning designation of the project area is "Port" (City 2021b). Port areas are designated for the operation of port facilities, including wharves, dockage, warehousing, and related port facilities. Neither the project site nor the immediate surrounding areas currently support agricultural use or forestry resources. The project site is vacant and consists of compacted soil; there is no timberland or forest

land on the site. All property surrounding the project area has been developed for industrial or urban land uses. The project area is zoned for non-agricultural uses, which precludes the lease area from qualifying for Williamson Act contracts.

3.3.2.2 Impact Evaluation

A: Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The proposed project would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use. Therefore, there would be no impact.

B: Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?

No Impact. No farmland exists in the project area. The zoning designation of the project site is Port (City 2021b), and the project area is not subject to a Williamson Act contract. Therefore, there would be no impact.

C: Would the project conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code Section 12220[g]), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104[g])?

No Impact. The proposed project would not conflict with or change any zoning or use of forest land, timberland, or timberland zoned Timberland Production. Therefore, there would be no impact.

D: Would the project result in the loss of forest land or conversion of forest land to nonforest use?

No Impact. No forest lands exist near the project area. Therefore, there would be no impact.

E: Would the project involve other changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

No Impact. No forest or farmlands exist near the project area. Therefore, there would be no impact.

3.3.3 Air Quality

When available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b.	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c.	Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d.	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

3.3.3.1 Affected Environment

3.3.3.1.1 Environmental Setting

The proposed project is located within the San Joaquin Valley Air Basin (SJVAB), which is bordered by the Sierra Nevada to the east, the Coast Ranges to the west, and the Tehachapi Mountains to the South and is made up of eight counties in California's Central Valley: San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, and the SJVAB portion of Kern. The climate within the SJVAB is typical of inland valleys in California, with hot, dry summers and cool, mild winters. Daytime temperatures in the summer often exceed 100°F, with lows in the 60s. In winter, daytime temperatures are usually in the 50s, with lows around 35°F. Fog is common in the winter and may persist for days. Winds are predominantly up-valley (from the north) in all seasons, but more so in the summer and spring. Winds in the fall and winter are generally lighter and more variable in direction, but generally blow toward the south and southeast.

Because of the Central Valley's unique physical characteristics, the pollution potential in the area is very high. Surrounding elevated terrain, in conjunction with temperature inversions, frequently restricts lateral and vertical dilution of pollutants. Ozone (O_3), the major component of the Central Valley's summertime smog, is formed via chemical reactions between reactive organic gases (ROG) and nitrogen oxides (NO_X) in the presence of ultraviolet radiation or sunlight. Abundant sunshine and warm temperatures in summer are ideal conditions for the formation of photochemical oxidants, leading to frequent photochemical pollution, or O_3. Tiny particles of solids or liquids (excluding pure water) that are suspended in the atmosphere are known as particulate matter (PM) and are classified according to their diameter in microns as either $PM_{2.5}$ (particulate matter 2.5 microns or smaller in diameter) or PM_{10} (particulate matter 10 microns or smaller in diameter). PM can be emitted directly

(primary PM, such as dust or soot), or can form in the atmosphere through photochemical reactions or gaseous precursors (secondary PM). Much of the Central Valley's ambient PM_{10} and $PM_{2.5}$ is secondary PM, formed in atmospheric reactions of NO_X. Due to the combined air pollution sources within the SJVAB and meteorological and geographical effects that limit dispersion of air pollution, the SJVAB can experience high air pollutant concentrations.

3.3.3.1.2 Regulatory Setting

The U.S. Environmental Protection Agency (USEPA) enforces federal air quality regulations. The federal Clean Air Act of 1970, amended in 1990, authorized the establishment of national health-based air quality standards, set deadlines for their attainment, and established actions required of areas that exceed these standards. Air agencies in areas that exceed the National Ambient Air Quality Standards (NAAQS) are required to develop state implementation plans (SIPs) to show how they will achieve NAAQS. USEPA's responsibility to control air pollution in individual states is primarily to review submittals of SIPs prepared by each state.

In California, the CARB prepares and enforces federally required SIPs to achieve and maintain NAAQS and California Ambient Air Quality Standards (CAAQS), which were developed as part of the California Clean Air Act adopted in 1988. CAAQS for criteria pollutants are equal to or more stringent than NAAQS and include other pollutants for which there are no NAAQS. In addition, CARB is responsible for assigning air basin attainment and non-attainment designations in California. Air basins are designated as being in attainment if the levels of a criteria air pollutant meet CAAQS for the pollutant and are designated as being in non-attainment if the level of a criteria air pollutant is higher than CAAQS.

The SJVAPCD is the air district for SJVAB, which is where the project site is located. SJVAPCD prepares air quality plans for SJVAB to comply with national and state standards that are used to assess potential air quality impacts. The San Joaquin Valley has been in attainment for carbon monoxide (CO) since 1994 and reached attainment for the federal PM_{10} standard in 2008. The entire air basin is classified as non-attainment for the CAAQS 24-hour and annual PM_{10} standards, the CAAQS annual $PM_{2.5}$ standard, and the CAAQS 1-hour and 8-hour O_3 standards. The SJVAB is also classified as non-attainment for the NAAQS 8-hour O_3 standard and the 24-hour and annual $PM_{2.5}$ standards (SJVAPCD 2015a).

The SJVAPCD-recommended thresholds for determining whether projects have significant adverse air quality impacts are provided in its *Guidance for Assessing and Mitigating Air Quality Impacts* (SJVAPCD 2015b). Table 6 shows SJVAPCD thresholds. These thresholds are applied separately to construction emissions, permitted operational emissions, and non-permitted operational emissions.

Table 6
San Joaquin Valley Air Pollution Control District Significance Thresholds

Air Pollutant	Construction Emissions Threshold (tons per year)	Permitted Sources Operational Emissions Threshold (tons per year)	Non-Permitted Sources Operational Emissions Threshold (tons per year)
ROG	10	10	10
NO_X	10	10	10
CO	100	100	100
SO_X	27	27	27
PM_{10}	15	15	15
$PM_{2.5}$	15	15	15

Source: SJVAPCD 2015a

3.3.3.2 Impact Evaluation

Construction: Construction emissions would be generated by construction equipment, including diesel-powered off-road equipment, trucks used to transport material on-site and limited off-site movements, and worker vehicles associated with construction. Construction is anticipated to occur over a period of 3 to 4 months between mid-2023 and early 2024. Proposed project construction would consist of the following improvements over six phases that would generally occur sequentially: Mobilization; Site preparation; Civil (trenching, testing, and cover of underground piping/conduit/ground grid, foundation forms, re-steel assembly, and concrete pours); Installation of hydrogen-production equipment; Electrical and pipeline interconnections; and Demobilization. There is a scheduled commissioning and testing period prior to the demobilization phase, which does not entail any construction activities other than worker trips.

Based on the construction schedule (Table 2), maximum daily and annual construction emissions were calculated by individual activity and total activity. Construction emissions would result from diesel-fueled construction equipment and on-road vehicles as shown in Table 7, as well as on-road fugitive dust and fugitive dust from material transport. Land-based construction emissions for the proposed project were calculated using California Emissions Estimator Model (CalEEMod) software, version 2022.1 (CAPCOA 2022). A full description of construction assumptions, including equipment horsepower ratings, is in Appendix B.

Table 7
Construction Emissions (Tons per Year)

	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Maximum Annual Emissions (2023	0.10	0.77	0.76	0.005	3.04	0.34
Thresholds	10	10	100	27	15	15
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Operations: As discussed in Section 2.4, BayoTech would install two modular steam methane reformers (SMRs), hydrogen pumping equipment, and a central dispensing system, which would produce, store, and distribute gaseous hydrogen. The SMR system reacts natural gas and steam, in the presence of a catalyst, to produce synthesis gas (syngas). Downstream of the SMR, two additional small reactors use the water-gas shift reaction to convert the CO in the syngas to CO_2. The final step in the process is a purification step, which uses pressure-swing adsorption to produce 99.97% pure hydrogen (SAE J2719 quality) at a product flow rate of up to 2,000 kg per day. The total energy input, which is based on the higher heating value of the fuel to be burned, is estimated to be approximately 8,000,000 British thermal units (BTU) per hour.

Project operational emissions were evaluated for calendar year 2024. Operational emissions from the proposed project include the permitted stationary H2-1000 units and non-permitted on-road mobile sources, as well as non-permitted area sources related to facility energy use, water use, architectural coating, and consumer products use. Non-permitted mobile sources for the proposed project would primarily be motor vehicles (e.g., automobiles, light-duty trucks, and heavy-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels.

Delivery trailers would be used to transport the gaseous hydrogen produced on site to hydrogen refueling stations in the Northern California region.

Permitted Stationary Sources. The steam methane reforming unit (SMR) produces syngas from natural gas and steam feedstock and requires heat, which is supplied by the combustion of natural gas and process gases. Combustion emissions from the SMR were calculated based on the maximum hourly heat input (96 million BTU per day) of the unit and vendor-supplied emissions data. Emissions of TACs were calculated based on USEPA's AP-42 for natural gas-fired boilers. The SMR would be equipped with a selective catalytic reduction (SCR) unit for NOx emissions control. The SMR would not otherwise emit to the atmosphere during normal operations. On rare occasions, start-up conditions and up-set conditions would result in syngas releases into a vent dedicated for the control of releases during such start-up, shut-down, and malfunction events.

A start-up heater, with a maximum heat input capacity of 1 BTU per hour, would be used to provide heat to the synthesis reactor system during plant start-ups. The start-up heater would use natural

gas and for air-permitting purposes is conservatively assumed to operate at full capacity year-round. Combustion emissions were calculated based on the maximum heat input capacity of the heater and USEPA's AP-42 emission factors for natural gas-fired furnace.

The proposed facility would operate 24 hours per day, 7 days per week, 350 days per year producing hydrogen through a process that extracts hydrogen from natural gas using steam. Up to 2,000 kg of hydrogen would be stored on site, aboveground. Hydrogen produced at the facility would be distributed by hydrogen transportation trailers.

Non-Permitted Sources: CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating were calculated in the building energy use module of CalEEMod, as described in Section 3.3 of Appendix B.

On-site dispensing operations would take place for up to 16 hours per day, between 6:00 a.m. and 10:00 p.m. based upon customer demand. Traffic and vehicle activity is expected to contain a variety of authorized trucks and trailers. It is expected that there would be approximately six to eight commercial trailers entering and exiting the site daily. Four to six staff vehicles are expected to enter and exit the site daily, and maintenance vehicles would likely enter and exit the site one or two times per week. Total daily and annual vehicle trips are shown in Table 4.

Mobile sources for the proposed project would primarily be motor vehicles (e.g., automobiles, light-duty trucks, and heavy-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Emissions from the mobile sources during operation of the proposed project were estimated using a spreadsheet-based model and emissions factors from the CARB EMFAC2021 and USEPA AP-42 factors for TAC analysis. Vehicle trip lengths were assumed to be up to 200 miles per day for 30% of the truck trips, up to 150 miles per day for 50% of the truck trips, and up to 50 miles per day for 20% of the truck trips and 11.89 miles for passenger vehicle trips (CalEEMod default) for the proposed project. Vehicle emissions occur during start-up, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for trucks and passenger vehicles were determined using EMFAC in CalEEMod, which generates emissions factors, expressed in grams per mile, grams per trip, and grams per vehicle per day, for the fleet in a class of motor vehicles within a region for a particular study year. For this analysis, San Joaquin County was selected for the region and calendar year 2024 was selected to represent the proposed project's operational start year. Based on trip generation estimates for light-duty vehicles (23% of all project-related vehicles) and heavy-duty trucks (77% of all project-related vehicles) prepared for the proposed project, the projected 36 average daily trips were used as input in the CalEEMod analysis. The proposed project's mobile trips were conservatively estimated to operate 365 days per year and generated approximately 4,470 vehicle miles traveled per day. Tables 8 and 9 display operational emissions from the permitted and non-permitted sources

that comprise the proposed project. Additional detail on the air quality assessment is located in Appendix B.

Table 8
Operational Emissions from Permitted Sources

Permitted Source	Pollutant Emissions (tons per year)					
	ROG	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Stationary H2-1000 Unit #1	0.095	0.095	1.479	<0.01	0.133	0.133
Stationary H2-1000 Unit #2	0.095	0.095	1.479	<0.01	0.133	0.133
Total Permitted Emissions	**0.190**	**0.190**	**2.958**	**<0.01**	**0.266**	**0.266**
SJVAPCD Thresholds	10	10	100	27	15	15
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Table 9
Operational Emissions from Non-Permitted Sources

Non-Permitted Source	Pollutant Emissions (tons per year)					
	ROG	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Area	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Energy	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mobile	0.03	2.63	0.63	0.02	12.20	1.91
Total Non-Permitted Emissions	**0.03**	**2.63**	**0.63**	**0.02**	**12.20**	**1.91**
SJVAPCD Thresholds	10	10	100	27	15	15
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

A: Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact. SJVAPCD has established thresholds of significance for criteria pollutant emissions, which are based on New Source Review offset requirements for stationary sources and the NAAQS and CAAQS. These thresholds represent a regional approach to meeting the NAAQS and CAAQS, recognizing SJVAPCD's attainment status, emission sources, and regional geography. Because the SJVAB is an extreme O_3 nonattainment area, stationary sources in SJVAPCD are subject to some of the toughest regulatory requirements in the nation. Emission reductions achieved through the implementation of offset requirements are a major component of SJVAPCD's air quality plans. Therefore, projects with emissions below the thresholds of significance for criteria

pollutants would be determined to not conflict or obstruct implementation of the air quality plans, while emissions exceeding those thresholds would conflict with and obstruct implementation.

Tables 7 through 9 present the construction and operational emissions resulting from the proposed project. As shown, construction emissions and operational emissions from permitted and non-permitted sources would all be below significance thresholds. Therefore, the project would not conflict with or obstruct implementation of the regional air quality plan and impacts would be considered less than significant.

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

Less-than-Significant Impact. SJVAPCD has developed quantitative criteria to evaluate the significance of air emissions under CEQA. Specifically, a significant impact would occur if implementation of a project would result in emissions that exceed the SJVAPCD-established thresholds shown in Table 6. SJVAPCD's CEQA thresholds represent the emission levels that would result in a direct or indirect project impact, as well as impacts resulting in a considerable cumulative net increase in pollutants. SJVAPCD applies the CEQA thresholds separately to three emission categories: 1) construction emissions; 2) operational permitted source emissions; and 3) operational non-permitted source emissions.

As shown in Table 7, construction emissions would be below SJVAPCD significance thresholds. As shown in Tables 8 and 9, operational emissions would also be below SJVAPCD thresholds in the SJVAB for all air pollutants. Accordingly, impacts would be less than significant.

C: Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-than-Significant Impact. A significant impact would occur if a project would emit TACs that could cause a significant increase in health risks, including both carcinogenic and non-carcinogenic risks. A project is considered to have a significant TAC impact under the following circumstances:

- It would result in ground-level concentrations of carcinogenic TACs that would increase the probability of contracting cancer for the maximally exposed individual by 20 in 1 million or more (SJVAPCD 2015b)
- It would increase ground-level concentrations of non-carcinogenic TACs that would result in an acute or chronic hazard index exceeding 1 for the maximally exposed individual receptor (SJVAPCD 2015b)

Impacts to sensitive receptors are typically evaluated in terms of exposure to TACs. CARB classifies diesel particulate matter (DPM) as a TAC and uses PM_{10} emissions from diesel exhaust as a surrogate for DPM. Health effects from carcinogenic TACs are described in terms of individual cancer risk,

which is based on a 30-year lifetime exposure to TACs. More than 90% of DPM is less than 1 micrometer in diameter, and thus is a subset of $PM_{2.5}$. $PM_{2.5}$ comes from a variety of sources, but primarily from the burning of carbon-based fuels, such as gasoline, diesel, and wood. Numerous scientific studies have linked exposure to airborne $PM_{2.5}$ to increased severity of asthma attacks, development of chronic bronchitis, decreased lung function in children, respiratory and cardiovascular hospitalizations, and even premature death in people with existing heart or lung disease (CARB 2023a). Because DPM is a subset of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure.

These effects include premature death, hospitalizations, and emergency department visits for exacerbated chronic heart and lung disease, including asthma, increased respiratory symptoms, and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies. Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly, who often have chronic health problems (CARB 2021).

Proposed project construction activities would result in temporary DPM emissions from the combustion of diesel fuel in off-road construction equipment engines and on-road trucks. Operation of the proposed project would result in DPM emissions from trucks. A human health risk assessment was performed to estimate the MICR (Maximally exposed individual Increased Cancer Risk) chronic hazard index for residential and off-site worker receptors as a result of emissions from the proposed project during construction and operation on sensitive receptors proximate of the project site. Results of the construction and operational human health risk assessments are presented in Table 10. As shown, the proposed project would be under applicable thresholds and would not result in acute or chronic health risk. Accordingly, impacts would be less than significant.

Table 10
Incremental Health Risk Construction and Operations

Source Category	Excess Lifetime Cancer Risk (in a million)		Chronic Hazard Index
	30-Year MICR Residential Receptor	25-Year MEI Off-Site Worker Receptor	
Construction Sources	3.15×10^{-8}	7.13×10^{-6}	7.96×10^{-7}
Operational Sources[1]	7.03×10^{-11}	6.44×10^{-11}	3.38×10^{-7}
Total	3.16×10^{-8}	7.13×10^{-6}	1.13×10^{-6}
Significance Threshold	**20**	**20**	**1.0**
Exceeds Threshold?	**No**	**No**	**No**

Note:
1. Excess lifetime cancer risk and chronic hazard index from operational sources represent the incremental increase in activity expected as a result of the proposed project (i.e., Future with Proposed Project compared to Future without Proposed Project).

D: Would the project result in other emissions (such as those leading to odors) affecting a substantial number of people?

Less-than-Significant Impact. SJVAPCD's CEQA guidance defines a significant odor impact as one that creates objectionable odors affecting a substantial number of people. SJVAPCD's guidance lists facility types that commonly produce odors and the separation distance from sensitive receptors (typically 1 mile) needed to prevent significant odor impacts (SJVAPCD 2015a). As noted in SJVAPCD's guidance, the list of facility types is not meant to be all-inclusive. Consequently, SJVAPCD recommends that all potential odor sources be evaluated in additional detail if they are located within 1 mile of sensitive receptors. The predominant winds are from the northwest, west-northwest, and west. The nearest residences in this predominant wind directions are distant from the project site. Specifically, the community to the southeast is nearly 1.7 miles away, and the community to the east is 1.1 miles away. While residences to the north and northwest and the single residence to the southwest are closer (0.6 miles and 0.5 miles, respectively), those locations would be located downwind of the project site on a very infrequent basis and are therefore unlikely to experience nuisance odors from the proposed project.

During construction, diesel exhaust from construction equipment could generate odors. However, several pieces of construction equipment would need to operate concurrently in a relatively small area to generate a constant plume of diesel exhaust that could cause objectionable odors, and these circumstances would not occur as part of the proposed project. Construction would occur over a broad area, and construction equipment would not all operate at the same time. During operation, diesel exhaust produced by trucks could generate odors, but not at a significant level. The hydrogen production and dispensing facility would not produce or emit odorous chemicals, so the project site is not expected to be a large source of objectionable odors. Construction and operational odors likewise would not affect a substantial number of people. Therefore, this impact is considered to be less-than-significant.

3.3.4 Biological Resources

	Would the project:	Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b.	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
c.	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☒	☐	☐

3.3.4.1 Affected Environment

Biological conditions occurring in the project area were observed during a reconnaissance survey conducted on August 25, 2022, to assess habitat conditions and evaluate the area's potential to support special-status species or sensitive habitats (Anchor QEA 2022). A search of the California Natural Diversity Database (CNDDB) was conducted to identify recorded special-status species occurrences within the U.S. Geological Survey Stockton West 7.5-minute quadrangle and surrounding quadrangles (Terminous, Lodi South, Waterloo, Stockton East, Manteca, Lathrop, Union Island, and Holt; CDFW 2022).

3.3.4.1.1 Habitat Communities

The project site is located within a highly developed and industrialized area and is surrounded by existing industrial developments characterized by storage tanks, industrial buildings, concrete surfaced storage or staging areas, stockpiles of various commodities, roadways, and rail lines. The property is bounded by Forrestal Village Road on the north, west, and south and by Navy Drive on the east; train tracks also encircle the northern part of the property. The site is currently vacant and encompasses approximately 5 acres of undeveloped, graded land. It is regularly maintained, and was not vegetated at the time of the survey with the exception of occasional non-native red-stemmed fillaree (*Erodium cicutarium*; Photographs 5 and 6). Recent management of the site appears to be light grading as evidenced by bare soil, rocks, and debris. Based on Anchor QEA biologists' knowledge of plants commonly observed in the area and review of aerial photography, the site is presumed to support non-native annual grasses and forbs during the growing season. Recent aerials support this assumption, and it can be observed that the site supports an early spring germination of weedy plant species, followed with mowing as part of annual site management. Plant species commonly observed in this area consist of rip-gut brome (*Bromus diandrus*), wild oat (*Avena fatua*), black mustard (*Brassica nigra*), yellow-starthistle (*Centaurea solstitialis*), and others. This area is geographically isolated from other wildlife habitats by train tracks and roadways with no direct corridors between it and other potential wildlife habitat.

Photograph 5
View of the Project Site Looking South, August 2022



Photograph 6
Non-Native Red-Stemmed Fillaree on the Project Site, August 2022



The nearest features (scattered trees and ruderal vegetation) that may provide notable wildlife habitat are over 400 feet north of the project site at the Stockton Police Department Training Facility/Police Range. The San Joaquin River is located approximately 485 feet west of the project site. Stormwater from the on-site uplands drains into the local stormwater system, which consists of a wide swale following the north side of the site. The swale is approximately 10 to 20 feet wide and tributary to a culvert on the west side of the site.

3.3.4.1.2 Wetlands and Jurisdictional Waters

There are no known wetlands or jurisdictional waters within the project site. While the National Wetlands Inventory maps historic wetlands on the southern portion of the project site (USFWS 2022), these wetlands were filled at some time in the past and the National Wetlands Inventory maps do not reflect current conditions at the site. The proposed project does not include any in-water work and is located entirely within upland areas. The nearest water feature is the San Joaquin River, which is located approximately 485 feet from the project site.

3.3.4.1.3 Special-Status Wildlife Species

The CNDDB identifies 24 special-status (candidate, threatened, or endangered under the federal Endangered Species Act [ESA] or California Endangered Species Act [CESA], state species of special

concern, or CDFW fully protected species) wildlife species within the study area, as identified through a search of the proposed project quadrangle and eight surrounding quadrangles (Appendix C; CDFW 2022). Potential species occurrence was determined based on habitat requirements and on-site conditions.

The project site's developed condition and location within a highly industrial and urban area precludes the presence of most terrestrial special-status species, although habitat surrounding the project site may be marginally suitable for some transitory species adapted to disturbance areas. This includes burrowing owl (*Athene cunicularia*; state species of special concern) and select Migratory Bird Treaty Act (MBTA)-protected bird species. None of the fish species or aquatic amphibian and reptile species identified in Appendix C have the potential to be present at the project site but would likely be present in or adjacent to the San Joaquin River.

Burrowing owl. The burrowing owl is a year-round resident of open spaces, such as grasslands and agricultural fields, in the Central Valley. Burrowing owls generally prefer areas of flat open ground with very short grass or bare soil and are often found on airports, golf courses, vacant lots, industrial parks, and other open areas. Nests are typically found in abandoned burrows of small mammals, predominantly ground squirrels, and occasionally within culverts and other structures. Although there are no visible mammal burrows on the project site, and the site lacks sufficient foraging habitat to support nesting populations of burrowing owl, there is potential for owl burrows around the levees along the perimeter of the San Joaquin River and in the agricultural fields to the south and west. Any occurrence of this species within the project area would likely be limited to dispersing or transitory individuals that may forage within grassland habitat or other areas with low vegetation nearby.

Migratory Bird Treaty Act-protected species. The MBTA makes it illegal for anyone to take, possess, import, export, transport, sell, purchase, barter, or offer for sale, purchase, or barter, any migratory bird, or the parts, nests, or eggs of such a bird except under the terms of a valid permit issued pursuant to federal regulations. The project area is located in an industrial environment and subject to constant anthropogenic disturbance, including regular discing of vegetation, and would only potentially provide foraging habitat for migratory bird species. Habitat adjacent to the project along the San Joaquin River could provide nesting opportunities for some migratory bird species. Other species protected under the MBTA may occur transiently throughout the year.

3.3.4.1.4 Special-Status Plant Species

There are 22 plant species considered rare, threatened, or endangered by the California Native Plant Society (CNPS; a CNPS Rank 1 or 2 species) with recorded occurrences in the vicinity of the project site, as identified through a search of the proposed project quadrangle and eight surrounding quadrangles (Appendix C; CDFW 2022). Of these 22 species, three are state or federal endangered:

large-flowered fiddleneck (*Amsinckia grandiflora*; federal and state endangered), palmate-bracted bird's-beak (*Chloropyron palmatum*; federal and state endangered) and Sacramento-San Joaquin River Delta (Delta) button-celery (*Eryngium racemosum*; state endangered). Due to the lack of suitable habitats within the project area, none of the special-status plant species with recorded occurrences have the potential to occur within the project site.

3.3.4.2 Impact Evaluation

A: Would this project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less-than-Significant Impact After Mitigation. The proposed project would be constructed on a vacant lot, which does not have habitat suitable for special-status species. Vegetation removal, if any, would be limited to grubbing sparse ruderal vegetation with little or no habitat value. Permanent habitat loss would be marginal and limited to low-habitat-value areas next to existing, active rail lines within the industrialized Port area.

Construction has the potential to result in accidental spills, if improperly managed. Various contaminants, such as fuel oils, grease, and other petroleum products used in construction activities, could be introduced into nearby waters (e.g., the San Joaquin River) through surface runoff. Contaminants may be toxic to wildlife. Because the proposed project would include more than 1 acre of ground disturbance, BayoTech would be required to obtain an NPDES Construction Stormwater General Permit, which would address stormwater and site control measures.

Features away from the project site may have habitat value to special-status species (e.g., nearby trees and the San Joaquin River), but these features would not be directly affected by the proposed project. While unlikely, MBTA-protected species may be present at the project site. Operation of the proposed project is not anticipated to generate significant levels of noise above existing conditions or any other effects that would adversely impact special-status species or habitats. The addition of an anticipated 10 vehicles and trucks per day is unlikely to result in direct or indirect adverse effects to terrestrial species or habitats.

The following mitigation measures would be implemented to reduce potential construction and operational impacts to off-site sensitive habitats and species from spills or polluted runoff:

- **BIO-MM-1: Stormwater management controls.** Standard construction best management practices—including but not limited to use of storm drain inlet filters, erosion control (e.g., straw wattles), and maintenance of spill control kits—will be implemented during construction to control or respond to spills or other potential sources of construction-related pollution.

- **BIO-MM-2: Soil management plan (SMP) implementation.** Operation of the proposed facility will include implementation of the facility SMP, which includes plans for leak prevention, control, and management. As a component of the SMP, BayoTech will provide annual California Environmental Reporting System submittals detailing quantities and management of potentially hazardous materials at the proposed facility.
- **BIO-MM-3: Obtain coverage under the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) or conduct nesting bird surveys.** To avoid impacts on potentially present special-status species, the proposed project will apply to obtain coverage under the SJMSCP. The SJMSCP is a voluntary program that allows for participants to be issued streamlined ESA and CESA approvals and to mitigate for impacts to certain special-status species. BayoTech will submit an application for coverage to San Joaquin Council of Governments (SJCOG), the agency that administers the SJMSCP, within 60 days of project construction. SJCOG will review the proposed project, prepare a staff report, and submit the report to the SJMSCP Habitat Technical Advisory Committee, which determines whether the proposed project will be covered under the SJMSCP. Assuming the proposed project is approved for coverage, a SJCOG biologist will conduct a site visit to determine which incidental take minimization measures (ITMMs) included in the SJMSCP are applicable to the project. SJCOG will then execute a final summary of applicable ITMMs for the proposed project. ITMMs will include surveys, monitoring, and applying temporary construction buffers, if determined appropriate by SJCOG. BayoTech will implement all required ITMMs identified by the SJCOG. Ground disturbance will not occur until the ITMMs have been satisfied.

  If the proposed project is unable to obtain coverage under the SJMSCP, BayoTech will implement alternatives to SJMSCP coverage that are consistent with CDFW's standard requirements, including surveys and avoidance measures. If equipment staging, site preparation, or other project-related construction work is scheduled to occur between February 1 and September 15 (the nesting season of protected raptors and other avian species), a qualified biologist will conduct a pre-construction survey of the project area for active nests within 7 days prior to starting project construction. The minimum survey area will be 250 feet for passerines, 500 feet for small raptors, and 1,000 feet for larger raptors. Surveys will be conducted during periods of peak activity (early morning or dusk) and be of sufficient duration to observe movement patterns. If a lapse in project-related work of 15 days or longer occurs, another survey will be performed before construction is re-initiated. If any active bird nests are found, a buffer around the nest will be established by the biologist in coordination with CDFW. The buffer area will be fenced off from work activities and avoided until the young have fledged, as determined by the biologist. The biologist will monitor the active nest until the young have fledged, for at least 2 hours per

day when project activities are occurring to observe the behavior of the nesting birds. If the birds show signs of disruption to nesting activities (e.g., defensive flights or vocalizations directed toward project personnel, standing up from a brooding position, or flying away from the nest), the buffers will be expanded by the biologist until no further interruptions to nesting behavior are detectable.

Through implementation of these mitigation measures, significant impacts to off-site species and habitats birds would be avoided. Accordingly, the proposed project would result in less-than-significant impacts.

B: Would this project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less-than-Significant Impact After Mitigation. There are no on-site riparian habitats or sensitive natural communities within the project site and no in-water work is required as part of the proposed project. As noted, various contaminants, such as fuel oils, grease, and other petroleum products used in construction activities, could be introduced into nearby waters (e.g., the San Joaquin River) through surface runoff and or in the case of spills. Additionally, while unlikely, nesting birds may use the project site. Potential impacts to sensitive off-site habitats would be avoided through implementation of mitigation measures BIO-MM-1 and BIO-MM-2, which include construction and operational measures to control spills and runoff. Potential impacts to nesting birds would be avoided through implementation of mitigation measure BIO-MM-3. With implementation of these mitigation measures, the proposed project would have less-than-significant impacts on riparian habitats or sensitive natural communities.

C: Would this project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marshes, vernal pools, coastal wetlands, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. There are no wetlands within or near the project site. Accordingly, there would be no impact.

D: Would this project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

No Impact. Although the project area is along the Pacific Flyway, an established air route of waterfowl and other birds migrating between wintering grounds in Central and South America and nesting grounds in Pacific Coast states and provinces of North America, the developed nature of the surrounding area and barren nature of the project area likely preclude migratory bird species from using the project site as a stopover during their migration. The proposed project would have no impact on the movement of native wildlife.

E: Would this project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The proposed project would not require tree removal and would not conflict with the Stockton Heritage Tree Ordinance. There are no other local policies or ordinances for protecting biological resources that are applicable to the project site. Therefore, the proposed project would not conflict with local policies or ordinances protecting biological resources, and there would be no impact.

F: Would this project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Less-than-Significant Impact After Mitigation. The proposed project would not conflict with the SJMSCP (San Joaquin County 2000). In fact, as outlined in BIO-MM-3, the proposed project would seek coverage under the SJMSCP. Habitat at the project site is marginally suitable for SJMSCP-covered species. Potential impacts to waterbodies and habitats would be avoided through implementation of mitigation measures BIO-MM-1 and BIO-MM-2, which include construction and operational measures to control spills and runoff, and BIO-MM-3, which protects ground-nesting birds, including those covered under the SJMSCP. With implementation of these mitigation measures, the proposed project would either directly or substantively comply with the requirements of the SJMSCP and impacts would be less than significant.

3.3.5 Cultural Resources

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☐	☒
b.	Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☐	☒	☐
c.	Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

3.3.5.1 Affected Environment

The Delta has probably been occupied since the late Pleistocene and early Holocene, beginning approximately 11,000 years ago. However, alluvial processes have likely erased most early archaeological sites. The earliest documented sites in the region date to approximately 9,000 years ago and are thought to have been mobile communities focused on hunting and fishing (Chartkoff and Chartkoff 1984; Milliken et al. 2007). Warm and dry conditions in the mid-Holocene (approximately 7,000 to 3,000 years ago) are associated with a change in subsistence focus toward plant gathering; millingstones are common during this period, though communities are still thought to have been fairly mobile (Fagan 2003). Later in this period, a trend toward sedentary communities and economic diversification emerges. The late Holocene is characterized by a continued increase in economic diversity and sociopolitical complexity, with emphasis on long-distance trade (Chartkoff and Chartkoff 1984; Moratto 1984). Cultures from this era correspond with ethnographically described cultures.

The project area is in the traditional territory of the Yokuts Tribe and may also have been used or settled by Plains Miwok and Wintun peoples. Yokuts communities were organized into multiple tribes united by a common language (Golla 2007). They lived throughout the San Joaquin Valley and relied on the region's rich fishing and hunting resources (Kroeber 1976). Native American communities were severely impacted by European contact (Milliken 1995). However, Yokuts people have endured and are now members of several federally recognized tribes.

The earliest European contact in the region dates to the late 1500s and was characterized by the establishment of Spanish missions and pueblos. Trappers from the Hudson's Bay Company also settled in the area that would become Stockton in the early 1800s, founding what is still known as French Camp (Wood 1973). The new Mexican government took control of California in 1822 and began to distribute lands to private owners. In 1842, German immigrant Charles Weber passed through what would become Stockton; he settled there and established a store in 1847 (Wood 1973).

The gold rush that began in 1848 spurred a boom in the Stockton area, and the City incorporated in 1850. Hundreds of vessels, from paddlewheelers to barks, plied the area serving miners. The Swamp Land Act of 1850 (also known as the Overflow Land Act) allowed for the transfer of wetlands from federal to state ownership, which began the process of reclaiming lands through drainage, dredging, levee construction, and fill placement (Garone 2011).

Prior to historic landmaking, the current Port vicinity would have been seasonally inundated (it is mapped as historically "tidal freshwater emergent wetlands" [SFEI-ASC 2018). There is evidence of industrial and land development in the vicinity since at least the early 1900s, which intensified through the mid to late twentieth century. By 1913, levees had been constructed that channelized the San Joaquin River and allowed for landmaking through filling of adjacent uplands.

Dredging to create the Stockton Deep Water Ship Channel began in 1930; the original navigational depth of 15 feet was deepened to 26 feet and the course was straightened. A rail line was constructed in 1932 through the area that would become the East Complex to Rough and Ready Island (now known as the Belt Line rail). The Port was founded immediately afterward, in 1933. The original Port area was the northern and western parts of what is now the East Complex.

The Port became part of the Stockton Ordinance Depot during World War II. After the war, the military began transferring parcels back to the Port, a process that was complete on the East Complex by 1956 (CMM 2016). The transfer included lands on the south and east sides of the East Complex that were previously agricultural and not part of the Port before the war. Industrial development intensified through the mid to late twentieth century.

The U.S. Navy purchased nearly the entirety of Rough and Ready Island in 1944 to serve the expanding needs of the Pacific theater in World War II. The property became the Naval Supply Annex Stockton. Between 1943 and 1946, the island's northern shoreline was straightened to its current configuration. This change resulted from construction of the Stockton Deep Water Ship Channel, which was dredged to a depth of 30 feet. Initial Naval development included expanding the Belt Line Railway and building a street grid out from the existing main road (County Road 403, now Fyffe Avenue). The majority of the base, including warehouses, housing, medical facilities, and utilities infrastructure, was constructed between August 1944 and June 1945. Prisoners of war were used as labor in constructing the base from spring 1945 onward and were said to have laid the drainage ditch system (Uribe & Associates 1996). Less than 2 months after the Naval Supply Annex Stockton was commissioned, the war ended on August 25, 1945. Immediately post-war, the facility continued to operate, primarily processing returning equipment and supplies. Activity declined at the facility thereafter, with two exceptions: operations during the Korean War in the early 1950s, and the operation of the Naval Communications Station after 1960. The Department of Defense property on Rough and Ready Island was approved for transfer to the Port in 1996 and became the West Complex as property was conveyed to the Port between approximately 2000 and 2010. The

remaining buildings and infrastructure of the Naval Supply Annex Stockton and the Naval Communications Station form the Naval Supply Annex Stockton National Historic District, which has been determined eligible for listing in the National Register of Historic Places.

Aerial photographs indicated a variety of activities in the project area after the transfer to Port ownership. In 1957, part of the project area was forested, with the northern portion cleared for what may have been dredge spoils deposition or materials sourcing. That activity was still underway in 1967 and expanded to include the entire project area. Evidence of continued spoils deposition and/or earth-moving activities is evident until construction of the existing rail spur in 2007 and 2008.

Findings from geotechnical studies at various locations around the Port are consistent with the area's environmental and cultural history. On the East Complex at Dock 2, geotechnical investigations revealed 5.5 to 10 feet of artificial fill (Kleinfelder 2019). On the West Complex, investigations for a nearby project to replace the Navy Drive Bridge found 15 feet of fill above stratified clays and silty sands (Kleinfelder 2014). These sediments (possibly native sediments but more likely dredge spoils) are approximately 1 to 3.5 feet above sea level. Native sediments would have been seasonally inundated.

According to a search of the California Historical Resources Information System (CHRIS) conducted in July 2022, there are no cultural resources recorded in the project area. There is one resource within a mile, a historic debris scatter approximately 0.75 mile southeast of the project area (P-39-5238). Four cultural resources surveys have been conducted that include the project area; none located cultural resources in or near the project area (USACE 1980; Shapiro and Shapiro 1997; URS 2008a, 2008b).

3.3.5.2 Impact Evaluation

A: Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

No Impact. The project site is currently vacant and does not contain any structures or historical resources. There would be no demolition or modification of any structures for the proposed project, and no changes to historical resources are expected. Accordingly, there would be no impact.

B: Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less-than-Significant Impact. No archaeological resources have been identified on the project site, and there is a low potential to encounter archaeological resources, as the soils are previously disturbed and heavily filled. However, because the proposed project includes minor ground disturbance and excavation of on-site soils during site preparation, archaeological materials could be disturbed during construction. If archaeological materials are encountered during construction, the proposed project would comply with state and federal requirements regarding identification, evaluation, and mitigation of impacts to significant archaeological sites, as well as consultation with

tribes and agencies. This includes CEQA Guidelines Section 15064.5(f), which requires implementing "provisions for historical or unique archaeological resources accidentally discovered during construction." For these reasons, impacts would be considered less than significant.

C: Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Less-than-Significant Impact. No indication of human remains or other associated archaeological materials have been identified on the project site. If human remains are encountered during construction, the proposed project would comply with state and federal requirements regarding disposition of human remains and consultation with tribes and agencies.

3.3.6 Energy

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b.	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

3.3.6.1 Affected Environment

Due to the size of its population, California's energy consumption ranks as the second highest in the United States, with an estimated total consumption of 7,802 trillion BTU in 2020. The state's energy consumption per capita, however, ranks as the fourth lowest in the country because of its mild climate and policies related to energy efficiency (USEIA 2022). California ranks as 11th in the country as a producer of energy, producing 2,190 trillion BTU in 2020. In 2021, California was the highest producer of electricity from solar, geothermal, and biomass energy in the country and the fourth highest producer of hydroelectric power generation—down from second in 2019, due in part to drought and increased water demand (USEIA 2022). California was the seventh-largest producer of crude oil among the 50 states, and, as of January 2021, it ranked third in crude oil refining capacity (USEIA 2022). Transportation accounts for the largest share of the state's energy consumption and accounts for two-fifths of the state's total end-use sector energy consumption. The industrial sector is the second-largest energy consumer in California and accounts for almost one-fourth of state end-use energy consumption. The commercial sector and the residential sector each account for slightly less than one-fifth of the state's total end-use sector energy consumption (USEIA 2022).

Electricity demand, usage, and production in the state is projected to increase in the near future due to population growth and other factors, including climate change (CEC 2020b). PG&E is the main utility provider for San Joaquin County. Utility-provided energy demand in San Joaquin County has steadily increased and is experiencing the fastest growing customer demand in PG&E's Stockton Division due to new residential development and growth in the agriculture and industrial sectors (PG&E 2022). In 2020, total electricity consumption in the County was estimated at 5,736.91 gigawatt hours (CEC 2020b). PG&E has a variety of renewable and non-renewable sources.

3.3.6.2 Regulatory Setting

Energy in California is regulated by a series of bills, regulations, and executive orders aimed at decreasing total energy demand and increasing the availability and production of renewable energy for all energy needs.

California's Renewable Portfolio Standards program was established in 2002 by Senate Bill (SB) 1078 with the initial requirement that 20% of electricity retail sales must be served by renewable resources by 2017. The Clean Energy and Pollution Reduction Act (SB 350), enacted in 2015, increased California's renewable electricity procurement goal from 33% by 2020 to 50% by 2030. In addition, SB 350 requires California to double statewide energy efficiency savings in electricity and natural gas end use by 2030 and authorizes utilities to undertake transportation electrification. SB 100, enacted in 2018, further accelerates the state's Renewable Portfolio Standards to 60% by 2030 and will require that the next 40% comes from zero-carbon sources of electricity by 2045. SB 10 requires that 100% of all electricity in California must be obtained from renewable and zero-carbon (such as solar and wind energy) resources by December 31, 2045. SB 100 also requires the Energy Commission, California Public Utilities Commission (CPUC), and CARB to use programs under existing laws to achieve 100% clean electricity and issue a joint policy report on SB 100 by 2021 and every 4 years thereafter.

California's LCFS Program requires a reduction in the carbon intensity of transportation fuels that are sold, supplied, or offered for sale in the state through 2030. The fuels regulated by the LCFS Program include natural gas, electricity, hydrogen, gasoline mixed with 10% corn-derived ethanol or higher, biomass-based diesel, and propane. The State is also accelerating the transition to electric vehicles. In 2022, CARB approved a rule requiring 100% of new car sales in California to be zero-emission vehicles by 2035. Hydrogen fuel from steam methane reformation, such as that produced by the proposed Project, is eligible for LCFS credit generation via fuel pathway. Credit values are calculated accounting for the carbon intensity of the mode of production compared to the fuel it would replace; therefore, assigned LCFS credits represent a net reduction in CO_2 from fuel generated or dispensed in the state.

The California Green Building Standards Code (CALGreen; 24 CCR Part 11) is a State-mandated green building code with the purpose of improving public health, safety, and general welfare through enhanced design and construction of buildings using concepts that reduce negative impacts, promote those principles that have a positive environmental impact, and encourage sustainable construction practices. CALGreen was adopted to address planning and design, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and environmental quality.

The 2016 San Joaquin County General Plan includes the following energy conservation and efficiency measures (San Joaquin County 2016):

- Goal NCR-5 of the plan is to "increase energy independence through the use of renewable energy sources and improved energy conservation and efficiency."
- Policy NCR-5.2 of the plan specifies that for alternative energy, the "County shall encourage residents, businesses, and energy providers to develop and use alternative,

renewable energy sources, including but not limited to, biomass, solar, wind, and geothermal."

Local policies pertaining to energy include Policy LU-5.4 of the 2040 General Plan (City 2018a):

- **Policy LU-5.4:** Require water and energy conservation and efficiency in both new construction and retrofits.
  - Action LU-5.4B: Require all new development, including major rehabilitation, renovation, and redevelopment, to incorporate feasible and appropriate energy conservation and green building practices, such as building orientation and shading, landscaping, and the use of active and passive solar heating and water systems.

The Port has developed and implemented a *Renewable Portfolio Standard Procurement Plan* (Port 2016). In the plan's most recent iteration, the Port determined the most efficient and cost-effective approach to meeting these standards is through continued purchase of sufficient State-approved renewable energy products from the active California market. For the compliance period from 2021 through 2030, the Port would determine and implement the most cost-effective options for complying with newly codified laws (Port 2016). Other steps that the Port is undertaking to improve energy efficiencies includes purchasing zero-emission electric vehicles, replacing diesel-powered equipment with cleaner electric models, and completing an energy audit to identify areas where energy consumption can be reduced (Port 2022a). The Port also offers its tenants financial incentives to install high-efficiency equipment or systems. Incentives are paid on the energy savings and permanent peak demand reduction beyond baseline energy performance, which include State-mandated codes, federal-mandated codes, industry-accepted performance standards, or other baseline energy performance standards (Port 2020).

3.3.6.3 Impact Evaluation

A: Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less-than-Significant Impact. Constructing and operating the proposed project would use equipment that consumes fossil fuels but would not require any unusual or excessive equipment or practices compared to projects of similar type and size. Energy would be used during construction of the proposed project, including diesel fuel (primary fuel) and gasoline, as well as use of electricity. Table 5 in Section 2.4 shows the annual energy consumption in terms of expected daily fuel use and electricity. Fuel consumption during construction would be temporary (3 to 4 months).

The main direct energy use on site would be through use of electricity and natural gas. The proposed hydrogen production and dispensing station would require energy to power lights and equipment,

including computers, machineries, and heating and cooling units. The proposed project would obtain energy from local providers by connecting to existing Port power infrastructure, including electricity and natural gas from PG&E. As noted in Table 5, the proposed project would generate a daily demand of up to 1,220 kilowatt hours (kWh); that is an annual demand for 445,300 kWh of electricity and 122 to 280 standard cubic feet per minute of natural gas. In contrast, in 2020, San Joaquin County non-residential use consumed 3,621 million kWh of electricity and 95,147,580 therms (CEC 2020b, CEC 2020c); the proposed project would represent a mere fraction of total use of electricity and natural gas. Over time, the proposed project is also anticipated to transition to a mixture of natural gas and renewable natural gas (RNG), a purified form of biogas generated by the decomposition of waste. This would reduce the fossil fuel demand of the hydrogen production units relative to the fraction of natural gas replaced by RNG.

The hydrogen production and dispensing station would meet all required measures of CALGreen, which requires sustainable building practices as part of all new buildings in California. Mandatory requirements involve water and energy efficiencies, indoor air quality, and the use of sustainable building materials. The proposed design would also include energy-efficient lighting fixtures.

Because the proposed project would be designed and constructed to comply with CALGreen and would comply with other state and local plans and policies, the energy consumption from the proposed project would not be wasteful, inefficient, or unnecessary and thus would be less than significant. Additionally, the following mitigation measures would be implemented to address energy consumption and reduce GHG emissions in compliance with the 2040 General Plan:

- **ENG-MM-1: Truck idling reductions**. BayoTech will require trucks to minimize idling time to 2 minutes where available while on terminal. Truckers will be required to shut down trucks while waiting more than 2 minutes while on the terminal or BayoTech will implement programs, such as appointment systems in periods of congestion. Exceptions include vehicles in a queue waiting for work at the truck rack.
- **ENG-MM-2: Use of clean trucks**. Where possible, BayoTech will encourage the use of clean trucks (defined as model year 2017 or newer) to transport fuel. BayoTech will educate customers about the SJVAPCD Truck Replacement Program during contract discussions.
- **ENG-MM-3: Energy/waste audit.** BayoTech will develop a plan for reducing overall energy use at its terminal. The plan will incorporate the following measures at a minimum:
  - Replace less-efficient bulbs with energy-efficient light bulbs, where applicable and safe. Lighting within the interior of buildings on the premises and outdoor lighting will be replaced with LED lighting or a technology with similar energy-saving capabilities within 2 years after the effective date of a new lease.
  - Identify areas for waste reduction, including reductions in single use products in buildings.

Implementation of mitigation measures ENG-MM-1 and ENG-MM-2 would reduce fuel use and combustion through reduced idling and more efficient trucks. Implementation of mitigation measure ENG-MM-3 would result in identifying direct energy savings and opportunities for use of renewable energy. It would reduce emissions from production and waste generation and emphasize a total reduction in waste generation, in addition to purchasing recycled goods. Waste deposited in landfills are a source of methane, a potent GHG. While not a large source of emissions at the terminal, procurement decisions can drive emission reductions over supply chains. For example, recent studies have found that GHG emissions from virgin pulp used to make paper products are approximately 30% higher than production of recycled paper product. Implementation of ENG-MM-1, ENG-MM-2, and ENG-MM-3 would ensure efficient consumption of resources and that the proposed project's impacts remain at a less-than-significant level.

B: Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. The proposed project would construct a hydrogen fuel production plant; because hydrogen is a renewable fuel, the proposed project would contribute to successful implementation of state and local plans for renewable energy. To comply with the *Renewable Portfolio Standard Procurement Plan* (Port 2016), the Port has committed to purchasing State-approved renewable energy from the active California market. Energy use associated with construction and operation of the hydrogen production and dispensing station would comply with this plan, as the station would connect to the existing power grid at the Port. The Port would also offer BayoTech financial incentives to install high-efficiency equipment during project construction as required by the *Renewable Portfolio Standard Procurement Plan*.

In addition, the 2040 General Plan (City 2018a) requires that new developments incorporate energy conservation and green building practices. As noted above in Section 3.3.6.3-A, the proposed project would comply with all required provisions of the CALGreen, which requires green building practices.

Because the proposed project incorporates energy conservation and green building practices, impacts would be considered less than significant.

3.3.7 Geology and Soils

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
	i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
	ii. Strong seismic ground shaking?	☐	☐	☒	☐
	iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
	iv. Landslides?	☐	☐	☐	☒
b.	Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☒
c.	Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d.	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☐	☒
e.	Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f.	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

3.3.7.1 Affected Environment

3.3.7.1.1 Soils

U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) soil survey data for the project site indicate that it is underlain primarily by partially drained Dello sand with 0% to 2% slopes. Portions of the southeast and southwest corners of the site (less than 10% of the total site) are underlain by partially drained Merritt silty clay loam with 0% to 2% slopes (NRCS 2021).

3.3.7.1.2 Fault Rupture

Surface fault rupture is defined as slip on a fault plane that has spread to the Earth's surface and caused a rupture or disturbance. Fault rupture almost always follows pre-existing faults, which are zones of weakness. There are two active known faults (defined by the State as faults that show evidence of movement during the past 10,000 years) within 25 miles of the project area; these are Great Valley 7 (17.6 miles) and Greenville Connected (24.9 miles) (USGS 2008). There are numerous other active and potentially active faults farther east and west of the project site (USGS 2008). However, the project site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone (CGS 2021; County 2019).

3.3.7.1.3 Ground Shaking

Ground shaking is the most widespread effect of earthquakes. The estimated likelihood of a magnitude 6.7 or greater earthquake in the greater San Francisco Bay area before 2044 is 72% (Field and 2014 Working Group on California Earthquake Probabilities 2015). For individual faults in proximity to the project site, forecasted probabilities include 0.17% for the Great Valley 7 fault (17.4 miles from the project site; the closest earthquake fault to the project site) and 4.03% for the Greenville Connected Fault (24.2 miles from the project site; Field and 2014 Working Group on California Earthquake Probabilities 2015). The project site's setback from active earthquake faults would help mitigate impacts related to ground shaking. For other similar industrial sites at the Port in proximity to the project site, the estimated Maximum Considered Earthquake peak ground acceleration adjusted for site class effects was determined to be 0.393g (based on both probabilistic and deterministic seismic ground motion; SEG 2018). Nonetheless, regional seismic activity could cause accelerations severe enough to cause major damage to structures and foundations not designed to resist the forces generated by earthquakes. Underground utility lines are also susceptible where they lack sufficient flexibility to accommodate the seismic ground motion (City 2018a).

3.3.7.1.4 Liquefaction

Soil liquefaction is a state of soil particle suspension caused by a complete loss of strength when the effective stress drops to zero. Liquefaction normally occurs under saturated conditions in soils such as sand in which the strength is purely frictional. Primary factors that trigger liquefaction are moderate to strong ground shaking (seismic source); relatively clean, loose granular soils (primarily poorly graded sands and silty sands); and saturated soil conditions (shallow groundwater). Because of the increasing overburden pressure with depth, liquefaction of granular soils is generally limited to the upper 50 feet of a soil profile. However, liquefaction has occurred in soils other than clean sand. The project site is not within a mapped liquefaction zone per California Geological Survey maps (CGS 2021). The corners of the site underlain by Merritt silty clay loam would have low susceptibility to liquefaction. The Dello sand that underlies most of the project site is high density (bulk density of

approximately 1.65 grams per cubic centimeter [g/cm^3], where 1.6 g/cm^3 or greater is considered high density). However, the water table of the Dello sand is only 3.5 feet below ground surface, indicating some potential for liquefaction (NRCS 2021).

3.3.7.1.5 Lateral Spreading

Lateral spreading is a form of liquefaction that results in lateral ground movement during which cohesive soil layers may fracture, subside, rotate, or disintegrate as a result of seismic activity. During an earthquake, lateral spreading usually takes place along weak shear zones that have formed within a liquefiable soil layer. Lateral spreading has generally been observed to take place in the direction of a free face (i.e., retaining wall, slope, and channel) but has also been observed to a lesser extent on ground surfaces with very gentle slopes. As noted, parts of the project site may have some susceptibility to liquefaction and therefore may also be susceptible to lateral spreading. The risk of lateral spreading would be highest in areas with steep slopes and reduced in areas with flat topography, which occurs throughout the project site.

3.3.7.1.6 Slope Failure and Slope Stability

Earthquakes can cause significant slope stress, potentially resulting in earthquake-induced landslides. Landslides most commonly occur in areas with steep slopes or within slide-prone geologic units that contain excessive amounts of water. Other factors that affect slope stability include site geology, climate, and human activity. The project site has entirely flat or near-flat topography, and this area is not likely to be susceptible to seismic-induced slope failure. California Geological Survey has not mapped landslide hazard zones in the project area or in its immediate vicinity (City 2018a).

3.3.7.1.7 Expansive Soils

Expansive soils are high in clay content and increase and decrease in volume upon wetting and drying, respectively. The change in volume exerts stress on buildings and other loads placed on these soils. Expansive soils are common throughout California and can cause damage to foundations and slabs unless properly treated during construction. Site preparations and backfill operations associated with subsurface structures can often eliminate the potential for expansion. The project site is mapped as containing soils with low potential for expansivity. Dello sand has very low expansivity (linear extensibility of 1.5% through the soil column), and Merritt silty clay loam has low expansivity (linear extensibility of 3.6% through the soil column) (NRCS 2021).

3.3.7.1.8 Subsidence and Settlement

Subsidence involves a sudden sinking or gradual settling and compaction of soil and other surface material with little or no horizontal motion. Land surface subsidence can result from natural and artificial phenomena, including tectonic deformation, consolidation, hydrocompaction, collapse of underground cavities, oxidation of organic-rich soils, rapid sedimentation, and the withdrawal of groundwater. Expansive soils and materials, including estuarine sediments, organic detritus, or thick

organic deposits, are more susceptible to subsidence. Settlement occurs when ground shaking reduces the amount of pressure existing between soil particles, resulting in a reduction of the volume of the soil. Areas are susceptible to differential settlement if they are underlain by compressible sediments such as poorly engineered artificial fill. Differential settlement can damage structures, pipelines, and other subsurface entities. Earthquakes and seismic activity can accelerate and accentuate settlement. The project site is mapped as containing soils with very low susceptibility to expansion or subsidence (NRCS 2021). Therefore, the likelihood of earthquake-related settlement is low.

3.3.7.1.9 Erosion

Erosion is the detachment and movement of soil materials through natural processes or human activities. The project site resides within a Mediterranean climate, which is exemplified by moist winters and dry summers. Therefore, during the winter, the area is more prone to water erosion, while in the summer the area is more prone to wind erosion. The project site is entirely flat or near-flat and would not be particularly susceptible to erosion. The site does not exhibit evidence of current erosion.

3.3.7.1.10 Paleontology

The proposed project is located in an already disturbed area east of the San Joaquin River. Prior to historic land modifications, the region was characterized by extensive wetlands, with dry land available only on small hills and natural levees (Wagner et al. 1981). The area was a slightly elevated stream terrace with the low-lying Delta to the west and the higher ground of the Central Valley to the east.

The Bureau of Land Management developed a classification system based on the potential for the occurrence of significant paleontological resources in a geologic unit and the associated risk for impacts to the resource (BLM 2007, 2008). The system is summarized here. Any rock material that contains fossils has the potential to yield fossils that are unique or significant to science. However, paleontologists consider that geological formations having the potential to contain vertebrate fossils are more sensitive than those likely to contain only invertebrate fossils. Invertebrate fossils found in marine sediments are usually not considered by paleontologists to be unique resources because the geological contexts in which they are encountered are widespread and fairly predictable. Invertebrate fossil species are usually abundant and well preserved. In contrast, vertebrate fossils are much rarer than invertebrate fossils and are often poorly preserved. Therefore, when found in a complete state, vertebrate fossils are more likely to be a significant resource than are invertebrate fossils. Thus, geologic formations having the potential to contain vertebrate fossils are considered the most sensitive. Vertebrate fossil sites are usually found in non-marine upland deposits (BLM 2007). The project site is situated on fill materials, atop Holocene alluvium. Alluvial deposits typically contain only invertebrate fossils (if any), and those are out of original depositional context (BLM 2007).

Vertebrate fossils are considerably more likely to be significant or unique, as are fossils in their original context (BLM 2008).

3.3.7.2 Impact Evaluation

A: Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: 1) rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42); 2) strong seismic ground shaking; 3) seismic-related ground failure, including liquefaction; or 4) landslides?

Less-than-Significant Impact. The project area is not located within a currently designated Alquist-Priolo Earthquake Fault Zone (CGS 2021; County 2019), and no known surface expression of active faults is believed to cross the project site; therefore, fault rupture through the project site is not anticipated, and there would be no impact related to this hazard.

In the event of a major earthquake, San Joaquin County could experience strong ground shaking, which has the potential to damage buildings and structures. The proposed project would include facilities for production, storage, and transfer of hydrogen fuel. Damage to these structures is possible in the event of a large earthquake. Proposed improvements would be constructed or installed in adherence with applicable seismic standards and would not increase the potential for human injury or loss of life. Hydrogen on site would be stored in appropriate containers or facilities to minimize the risk of hydrogen release during an earthquake. BayoTech also would maintain and implement an Integrated Control and Safety System (ICSS) for the facility, which would include measures designed to minimize the risk of impacts to persons and the environment from facility operation. Therefore, the proposed project would result in less-than-significant impacts related to seismic ground shaking.

The soils mapped as occurring at the project site are not notably susceptible to liquefaction, although geotechnical investigations conducted for the Endicott Biofuel Production Facility have identified liquefiable soils in nearby parcels (Stockton Port District 2013), and liquefiable conditions may be present at the project site. Soil excavation and grading/recompaction would be performed before construction in line with the requirements of the 2019 California Building Code, and the proposed improvements would be constructed or installed in adherence with applicable seismic standards. Therefore, the proposed project would result in less-than-significant impacts related to liquefaction.

The project site and surrounding parcels are flat and do not contain any steep slopes or other features suggesting susceptibility to slope failure or landslides. The proposed project would not result in changes that would increase the potential for slope failure or landslides, and the site preparation measures described previously would reduce the potential for slope failure or landslides.

B: Would the project result in substantial soil erosion or the loss of topsoil?

No Impact. Because the project site is generally flat, the potential for substantial soil erosion during operations is considered minimal. Construction of the proposed project would involve excavating; grading/recompaction; paving; and constructing slabs on grade. Existing soils would be graded in place; therefore, there would be no loss of topsoil, and erosion impacts are unlikely to occur. Therefore, there would be no impact.

C: Would the project be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project and potentially result in an on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less-than-Significant Impact. As previously discussed, the proposed project would have no effect on the potential for slope failures or landslides, and risk from lateral spreading is minimal due to the project site's flat topography. Soils mapped as occurring on site are not notably susceptible to subsidence. Because the Dello sand that underlies most of the project site has a high-water table, some potential for liquefaction exists, but the high bulk density of the sand would greatly limit this potential. However, a soils investigation of the project site has not been conducted, and geotechnical investigations conducted for the Endicott Biofuel Production Facility have identified liquefiable soils in nearby parcels (Stockton Port District 2013). Fill soils potentially susceptible to subsidence are also common in the area. Proposed improvements would be constructed or installed in adherence with applicable seismic standards. Exposure to unstable geologic hazards would be typical to the region and limited to the minimal amount of on-site personnel. Therefore, the proposed project would have a less-than-significant impact related to unstable geological units or soils.

D: Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

No Impact. Soil types identified as occurring within the project site do not exhibit expansive properties, and the excavating and grading planned during site preparation would further reduce the risk of soil expansion. Therefore, there would be no impact.

E: Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?

No Impact. The proposed project would be served by the municipal sewage system, and the proposed project would not require the use of septic tanks or alternative wastewater disposal systems or affect any such systems. Therefore, there would be no impact.

F: Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

No Impact. There are no known unique geological or paleontological resources in the project area. The proposed project includes excavation during construction for site preparation; however, this site has been previously used and the soils excavated for those uses. Due to its geomorphological history, the project area is not likely to contain any fossils other than invertebrate fossils that are in a redeposited context. Therefore, there would be no impact.

3.3.8 Greenhouse Gas Emissions

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☒	☐	☐
b.	Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☒	☐	☐

3.3.8.1 Affected Environment

3.3.8.1.1 Environmental Setting

Global climate change results from GHG emissions caused by several activities, including fossil fuel combustion, deforestation, and land use change. GHGs trap infrared radiation emitted from the Earth's surface, which otherwise escapes to space. The most prominent GHGs contributing to this process include carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Certain refrigerants, including chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), and hydrofluorocarbons (HFCs), also contribute to climate change. The greenhouse effect keeps the Earth's atmosphere near the surface warmer than it would be otherwise and allows for successful habitation by humans and other forms of life.

Fossil fuel combustion removes carbon stored underground and releases it into the atmosphere. Emissions of GHGs are responsible for the enhancement of the greenhouse effect and contribute to what is termed "global warming," a trend of unnatural warming of the Earth's natural climate. Increased concentrations of GHGs in the earth's atmosphere increase the absorption of radiation and further warm the lower atmosphere. This process increases evaporation rates and temperatures near the surface. Climate change is a global problem, and GHGs are global pollutants, unlike criteria pollutants (such as O_3, CO, and PM) and TACs, which are pollutants of regional and local concern (see Section 3.3.3).

Global warming potential (GWP) is a measure of how much a given mass of GHG contributes to global warming. A relative scale is used to compare the gas in question to CO_2 (whose GWP is defined as 1). In this analysis, CH_4 is assumed to have a GWP of 21, and N_2O is assumed to have a GWP of 310. Refrigerants have a GWP ranging from 76 to 12,240. Consequently, using each pollutant's GWP, emissions of CO_2, CH_4, N_2O, CFCs, HCFCs, and HFCs can be converted into CO_2 equivalence (CO_2e).

Recent environmental changes linked to global warming include rising temperatures, shrinking glaciers, thawing permafrost, a lengthened growing season, and shifts in plant and animal ranges (IPCC 2021; CCCC 2018; USGCRP 2014). In California, an assessment of climate change impacts predicts that temperatures will increase between 5.6°F to 8.8°F by 2100, based on low and high global GHG emission scenarios (CCCC 2018). Predictions of long-term negative environmental impacts in California include worsening of air quality problems, a reduction in municipal water supply from the Sierra snowpack, sea level rise, an increase in wildfires, damage to marine and terrestrial ecosystems, and an increase in the incidence of infectious diseases, asthma, and other human health problems (CCCC 2018).

3.3.8.1.2 Regulatory Setting

Executive Order (EO) S-3-05, signed by then-Governor Schwarzenegger on June 1, 2005, established the following GHG reduction targets for California: 1) by 2010, reduce GHG emissions to 2000 levels; 2) by 2020, reduce GHG emissions to 1990 levels; and 3) by 2050, reduce GHG emissions to 80% below 1990 levels. EO S-3-05 also called for the California Environmental Protection Agency to prepare biennial reports on progress made towards achieving these goals, impacts to California from global warming, and mitigation and adaptation plans to combat these impacts.

The California Global Warming Solutions Act of 2006 (AB 32) required CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. CARB was directed to set a GHG emission limit, based on 1990 levels, to be achieved by 2020. AB 32 set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner. AB 32 also required CARB to adopt rules and regulations in an open public process to achieve the maximum technologically feasible and cost-effective GHG reductions.

On December 11, 2008, CARB adopted the AB 32 Scoping Plan, which set forth the framework for meeting the State's GHG reduction goal set by EO S-3-05. On October 20, 2011, CARB adopted the final cap-and-trade regulation. CARB also approved an adaptive management plan that monitors the progress of reductions and recommends corrective actions if progress is not as planned or there are unintended consequences in other environmental areas (e.g., concentration of local criteria pollutants).

In 2014, CARB adopted an update to the 2008 AB 32 Scoping Plan that builds upon that initial plan with new strategies and recommendations. The 2008 AB 32 Scoping Plan and 2014 Scoping Plan Update require that reductions in GHG emissions come from virtually all sectors of the economy and be accomplished from a combination of policies, regulations, market approaches, incentives, and voluntary efforts. These efforts target GHG emission reductions from cars and trucks, electricity production, fuels, and other sources.

In 2017, CARB prepared an update to the Scoping Plan. The update established a set goal to reduce GHG emissions to 40% below 1990 inventory levels by 2030 (CARB 2017).

In August 2008, SJVAPCD adopted the Climate Change Action Plan to assist lead agencies in assessing and reducing the impacts of project-specific GHG emissions on global climate change. The Climate Change Action Plan relies on the use of performance-based standards, otherwise known as Best Performance Standards (BPSs), to assess the significance of project-specific GHG emissions on global climate change. Projects implementing BPS are determined to have a less-than-significant impact. Otherwise, demonstration of a 29% reduction in GHG emissions from business as usual is required to classify a project's impact as less than significant.

In 2009, SJVAPCD adopted the *Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects Under CEQA* (SJVAPCD 2009a) and the *District Policy: Addressing GHG Emission Impacts for Stationary Source Projects Under CEQA When Serving as the Lead Agency* (SJVAPCD 2009b). SJVAPCD was not able to determine a specific quantitative level of GHG emissions increase above which a project would have a significant impact on the environment, and below which it would have an insignificant impact. SJVAPCD staff concluded that impacts of project-specific emissions on global climatic change are cumulative in nature, and the significance thereof should be examined in that context. SJVAPCD requires all projects to reduce their GHG emissions, whether through project design elements or mitigation. Projects achieving performance-based standards that have been demonstrated to be BPS would be considered to have a less-than-cumulative significant impact on global climate change (SJVAPCD 2009a).

The City updated and adopted its 2040 General Plan on December 4, 2018; it has new GHG measures to comply with a 2008 Settlement Agreement with the State and the Sierra Club that requires the City to address GHG reductions, including through specific provisions in the 2040 General Plan. The 2040 General Plan represents a substantial change in the policy framework for future development in the City compared to the 2035 General Plan (City 2007). The fundamental shift is from emphasizing growth in "outfill" areas at the periphery of the City to focusing new construction and redevelopment in existing "infill" neighborhoods. This change is reflected in the land use map, an associated map depicting the transportation network required to serve future development, and in the goals, policies, and actions throughout the document. In addition, the City's 2040 General Plan includes the following policies regarding GHG and climate change that are applicable to the proposed project:

- **Policy TR-3.2:** Require new development and transportation projects to reduce travel demand and GHG emissions, support electric vehicle charging, and accommodate multi-passenger autonomous vehicle travel as much as feasible.
- **Policy CH-5.1:** Accommodate a changing climate through adaptation, mitigation, and resiliency planning and projects.
  - Action CH-5.1B: Maintain and implement the City's Climate Action Plan and update the CAP to include the following:
    - Updated communitywide GHG emissions inventory;

    - 2030 GHG emissions reduction target, consistent with SB 32;
    - Estimated 2030 GHG emissions reduction benefits of State programs;
    - Summary of the City's progress toward the 2020 local GHG emissions reduction target;
    - New and/or revised GHG reduction strategies that, when quantified, achieve the 2030 reduction target and continue emission reductions beyond 2030; and
    - New or updated implementation plan for the CAP.
- **Policy CH-5.2:** Expand opportunities for recycling, reuse of materials, and waste reduction.
  - Action CH-5.2A: Use recycled materials and products for City projects and operations where economically feasible, and work with recycling contractors to encourage businesses to use recycled products in their manufacturing processes and encourage consumers to purchase recycled products.
  - Action CH-5.2B: Continue to require recycling in private and public operations, including construction/demolition debris. (City 2018a)

3.3.8.1.3 Methodology for Determining Impacts

In determining the significance of a project's impacts, the lead agency may consider a project's consistency with the State's long-term climate goals or strategies, provided that substantial evidence supports the agency's analysis of how those goals or strategies address the project's incremental contribution to climate change and its conclusion that the project's incremental contribution is consistent with those plans, goals, or strategies (CEQA Guidelines Section 15064.4[b][3]).

In December 2018, the California Natural Resources Agency clarified several points regarding the method for determining GHG impacts in CEQA documents. CEQA Guidelines Section 15064.4 includes the following provisions as summarized by the Governor's Office of Planning and Research (OPR; OPR 2023):

- "Lead agencies must analyze the greenhouse gas emissions of proposed projects" (CEQA Guidelines Section 15064.4[a]).
- "The focus of the lead agency's analysis should be on the project's effect on climate change, rather than simply focusing on the quantity of emissions and how that quantity of emissions compares to statewide or global emissions" (CEQA Guidelines Section 15064.4[b]).
- "Lead agencies may rely on plans prepared pursuant to Section 15183.5 (Plans for the Reduction of Greenhouse Gases) in evaluating a project's greenhouse gas emissions" (CEQA Guidelines Section 15064.4[b][3]).

The Port generally adopts SJVAPCD thresholds related to emission sources as most GHG sources at the Port also result in CAP emissions. SJVAPCD has established GHG thresholds for projects subject

to CEQA based on achieving performance-based standards that have been demonstrated to be BPSs. For projects implementing SJVAPCD's BPSs, quantification of project-specific GHGs is not required (SJVAPCD 2009). SJVAPCD's BPSs generally apply to projects with stationary industrial emission sources and land use and development projects. For development projects, BPSs include project design elements, land use decisions, and technologies that reduce GHG emissions. Project proponents can reduce GHG emissions from energy consumption through building designs that increase energy efficiency, conserve water, and use energy-efficient appliances. For other projects, including commercial facilities such as port terminals and projects not implementing BPSs, SJVAPCD requires that project-specific GHG emissions be quantified and compared to a 29% reduction in GHG emissions as compared to the business as usual (BAU) standard to determine significance (SJVAPCD 2009). The City's CAP also relies on a 29% reduction from 2020 levels as compared with the BAU goal. However, the BAU approach has been effectively rendered unusable after the California Supreme Court's 2015 ruling in *Center for Biological Diversity v. California Department of Fish and Wildlife*. In addition, the City's CAP is not consistent with larger state goals, namely the latest adopted CARB Scoping Plan 2030 (CARB 2017), which is currently being updated with adoption expected in 2022.

The South Coast Air Quality Management District (SCAQMD) has established thresholds specific to residential, commercial, and industrial development as recommended by a 2008 work group effort to identify potential GHG emissions thresholds that achieve broader CARB goals to reduce GHG emissions. The work group's findings are detailed in the *Interim Greenhouse Gas Emissions Significance Thresholds* guidance document, which outlines an approach to developing a quantitative threshold and includes substantial evidence supporting the approaches (SCAQMD 2008). The interim guidance has not been updated.

The current interim thresholds comprise the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the proposed project is consistent with a GHG reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the proposed project is less than significant:
  - All land use types: 3,000 metric tons (MT) of CO_2e per year

  - Based on land use type (per year):
    - residential: 3,500 MT of CO_2e
    - commercial: 1,400 MT of CO_2e
    - mixed use: 3,000 MT of CO_2e
  - Industrial (stationary) projects: 10,000 MT of CO_2e per year
- Tier 4 has the following options:
  - Option 1: Reduce BAU emissions by a certain percentage (this percentage is currently undefined)
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: 2020 target: 3.0 MT of CO_2e per service population per year for projects and 4.1 MT of CO_2e per service population per year for plans
- Tier 5 involves mitigation offsets to achieve the target significance threshold.

The SCAQMD's draft thresholds use the EO S-3-05 Year 2050 goal as the basis for the Tier 3 screening level. Achieving the EO objective would contribute to worldwide efforts to cap CO_2 concentrations at 450 parts per million, thus stabilizing the global climate (SCAQMD 2008).

For the purposes of CEQA, and until statewide guidance is adopted, the Port will use the Tier 3 quantitative thresholds recommended in the SCAQMD's Interim Thresholds document as follows:

- Industrial Projects: 10,000 MT of CO_2e per year
  - Consistent with SCAQMD, projects are considered "Industrial Projects" if the facility includes stationary sources of GHG emissions requiring a permit from an air district.
- Residential and Commercial (may also include industrial) building structures that attract or generate mobile source emissions and Mixed-Use Projects (including industrial parks and warehouses):
  - Residential: 3,500 MT of CO_2e per year
  - Commercial: 1,400 MT of CO_2e per year
  - Mixed use: 3,000 MT of CO_2e per year
- Construction GHG emissions amortized over the life of a project are required to be included in a project's annual GHG emissions totals for both categories (SCAQMD 2008).

As the facility is a stationary source, the Port has opted to use the 10,000 MT of CO_2e per year industrial threshold consistent with the approach outlined. Based on the above guidance, the analysis herein analyzes the GHG emissions that would be generated as a result of the proposed project and addresses how potential emissions as well as the proposed project design would compare to state, regional, and local plans to address climate change.

3.3.8.2 Impact Evaluation

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

The proposed project would generate GHG emissions from construction and operations. Construction would be conducted over a 3- to 4-month period and would include the use of heavy equipment. For construction phase project emissions, GHGs are quantified and amortized over the life of the proposed project. To amortize the emissions over the life of the proposed project, SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 20-year project lease under the land use agreement with the Port, and then adding that number to the annual operational phase GHG emissions. As such, construction emissions were amortized over a 20-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Table 11. Details regarding the development of GHG emissions estimates for the proposed project are included in Appendix B.

Table 11
Annual Construction Greenhouse Gas Emissions

Year	Construction Project	Construction Phase	CO_2e (MT)
2023	Site Preparation	Mobilization	1.06
		Demobilization	6.83
	Site Prep/Grading		62.5
	Building Construction	Installation of Equipment	15.8
		Electrical and Pipeline Interconnections	1.89
	Paving		15.4
	Architectural Coating		NA
	Utility Trenching		15.4
	Total GHG Emissions from Construction		119
Amortized Construction Emissions (MT of CO_2e per year)			**5.95**

Note:
Emissions may not precisely sum due to rounding.

Operations: GHG emissions are classified as either direct or indirect. Direct emissions are associated with the production of GHGs at a project site. Direct emissions for the proposed project include permitted operational emissions from the chemical reaction and combustion of natural gas-fired SMR on site. Indirect emissions include the emissions from off-site vehicles (both gasoline- and diesel-fueled) delivering materials and equipment to and from the project site, workers' vehicle trips, the conveyance and consumption of water and electricity, and the collection and disposal of solid waste.

Table 12
Operational Greenhouse Gas Emissions

Sources	Annual GHG Emissions (MT per year)			
	CO_2	CH_4	N_2O	CO_2e
H2-1000 Unit #1	3,786.23	0.99	3.09	3,790
H2-1000 Unit #2	3,786.23	0.99	3.09	3,790
H2-1000 Units 1 & 2 Start-up Venting Emissions	1.36	3.02	0	4
Area	0.01	<0.005	<0.005	0.01
Energy Consumption	2,401	0.17	0.02	2,412
Mobile (vehicle tailpipe emissions)	2,223	0.04	0.34	2,328
Solid Waste (generation and transport)	0	0	0	0
Water Consumption	1.1	0.04	<0.005	2
Total Operational GHG Emissions				**12,327**
Total Construction GHG Emissions (amortized, from Table 11)				5.95
Total Combined Construction and Operational GHG Emissions				**12,333**
Threshold				10,000
Exceed Threshold?				Yes

Note:
Emissions may not precisely sum due to rounding.

As shown in Table 12, the proposed project would result in 12,333 MT per year, which would exceed the 10,000-MT-per-year industrial threshold; therefore, impacts would be considered significant.

Mitigation Measures: The following mitigation measures would be implemented to reduce GHG emissions:

- **GHG-MM-1: Renewable Natural Gas (RNG).** BayoTech will acquire RNG in sufficient quantity and carbon intensity to reduce the net carbon emissions of the fuel stock used in hydrogen production by an equivalent of 2,334 MT of CO2e per year, below the threshold of significance. BayoTech will provide the Port with annual reports of RNG purchase records and overall fuel consumption to demonstrate the required carbon emission reduction (2,334 MT per year). The reports must identify the quantity of RNG and traditional natural gas consumed and fully document the availability of RNG. To meet the requirements of this mitigation measure, RNG can be acquired directly or acquired utilizing a certified book and claim accounting methodology in order to meet project demand.
- **ENG-MM-1: Truck Idling Reductions** (see Section 3.3.6.3)
- **ENG-MM-3: Energy/Waste Audit** (see Section 3.3.6.3)

RNG is pipeline quality gas produced from a renewable source including livestock waste, landfills, wastewater sludge, food waste, and other organic waste operations. RNG is essentially captured

biogas (gas produced from the decomposition of organic matter) that has been processed to purity standards. Typically, a lifecycle approach is used to calculate the GHG emissions associated with RNG, including energy used to convert the organic material or waste to biomethane, and any methane leaks along the supply chain, as well as all avoided emissions resulting from the project. If the biogas is produced from waste rather than crops grown to generate natural gas, RNG avoids more emissions than it generates, leading to a net-negative carbon intensity. Although BayoTech would use natural gas procured from existing physical utility distribution pipelines, the use of RNG would be facilitated using the "Book and Claim" credits, based on the purchased environmental attributes of RNG produced at other locations, in accordance with established California LCFS methodology, according to CARB. These credits may be procured by BayoTech and/or in coordination with suppliers and customers within the hydrogen value chain.

Implementation of mitigation measure ENG-MM-1 would reduce GHG emissions through reduced combustion by reduced idling. Indirect emissions from electricity production also produce a large percentage of emissions. Through state initiatives, these emissions will likely decrease over the life of the proposed project as the grid is powered by a greater percentage of renewable energy sources and potentially on terminal and/or on Port renewable sources, such as solar. Implementation of mitigation measure ENG-MM-3 would result in identifying direct energy savings and opportunities for the use of renewable energy, and it would reduce emissions from production and waste generation and emphasize a total reduction in waste generation, in addition to purchasing recycled goods. Waste deposited in landfills are a source of methane, a potent GHG. While not a large source of emissions at the terminal, procurement decisions can drive emission reductions over supply chains. For example, recent studies have found that GHG emissions from virgin pulp used to make paper products are approximately 30% higher than the production of recycled paper products.

With the implementation of GHG-MM-1, ENG-MM-1, and ENG-MM-3, the proposed project would result in a less-than-significant GHG emissions impact.

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

As discussed above, there are numerous statewide regulations and initiatives related to overall GHG reductions. The proposed project is subject to future state and local requirements imposed by CARB's 2017 Climate Change Scoping Plan Update (CARB 2017). The Climate Change Scoping Plan Update describes how California will reduce its GHG emissions by 40% below 1990 levels by 2030. The 2022 Update is currently under development and will also be applicable to the proposed project. The proposed project would comply with all required provisions of CALGreen, which requires green building practices. In addition to CALGreen, the City's 2040 General Plan (City 2018) requires that new developments incorporate energy conservation and green building practices.

The City's 2040 General Plan (City 2018) includes several policies that are applicable to the proposed project, specifically Policy TR-3.2, which requires new development and transportation projects to reduce GHG emissions, and Policy CH-5.2, which expands opportunities for recycling, reuse of materials, and waste reduction.

The proposed project produces LCFS-eligible fuel and therefore is consistent with state goals to de-carbonize fuel. The LCFS Program is designed to encourage the use of cleaner low-carbon transportation fuels, encourage the production of those fuels, reduce GHG emissions, and decrease petroleum dependence in the transportation sector (CARB 2023b). The LCFS standards are expressed in terms of the "carbon intensity" (CI) of petroleum fuels and their respective substitutes using a lifecycle approach to that considers the direct emissions associated with producing, transporting, and using the fuels, as well as significant indirect effects on GHG emissions, such as changes in land use for some biofuels. The CI scores assessed for each fuel are compared to a declining CI benchmark for each year. Low-carbon fuels below the benchmark generate credits, while fuels above the CI benchmark generate deficits (CARB 2023b). Fuel providers must demonstrate that the mix of fuels meets the LCFS CI standards, or benchmarks, for each annual compliance period. Hydrogen has been identified by CARB as a low-carbon fuel under the LCFS Program. Current carbon intensities for SMR-produced hydrogen range from 99 to 151 grams of CO_2e per megajoule (MJ) as compared to 100 grams of CO_2e per MJ for diesel depending on production. It is assumed that hydrogen produced by BayoTech initially would be close to 118 grams of CO_2e per MJ based on feedstock and production. Carbon efficiencies of fuels are then adjusted using the energy equivalent ratio (EER) which varies depending on the fuel being replaced. The EER for hydrogen when replacing ultra-low sulfur diesel (ULSD) fuel in heavy-duty vehicles is 1.9, meaning 1 MJ of energy produced via hydrogen replaces 1.9 MJ of ULSD energy in these vehicles. The energy generated by the annual production of hydrogen at a rate of 2,000 kg/day is 87,600,000 MJ, which could replace 166,440,000 MJ of energy generated by diesel. Based on a carbon intensity of 100 grams of CO_2e per MJ for ULSD, the 12,327 MT CO_2e produced by the annual operations of the proposed project would replace 16,644 MT CO_2e of ULSD emissions. That would be a net decrease in GHG emissions of 4,317 MT CO_2e per year, which contributes to achieving the state GHG reduction target. However, because the savings come when the fuel is used and the credits generated by the LCFS are sold, these emission savings are not considered against the total emissions generated by the proposed project's production of hydrogen.

In addition, CARB's *2022 Scoping Plan for Achieving Carbon Neutrality* (November 2022) calls for accelerating the transition from combustion of fossil fuels to hydrogen. The plan recognizes that hydrogen can be produced from several sources with varying levels of CI with the eventual goal of producing hydrogen through electrolysis with renewables; however, finds that SMR paired with carbon capture and sequestration can help ensure a rapid transition to hydrogen and increase

hydrogen availability until such time as electrolysis with renewables can meet the ongoing need, assuming there is also sufficient water supply (CARB 2022).

While the proposed project produces LCFS certified fuel and therefore is consistent with state goals to de-carbonize fuel, the project would not incorporate carbon capture and sequestration. However, mitigation measure GHG-MM-1, which involves BayoTech acquiring RNG in sufficient quantity and carbon intensity to reduce the net carbon emissions of the fuel stock used in hydrogen production by an equivalent of 2,334 MT of CO2e per year to reduce GHG emissions. RNG has a lower CI than pipeline natural gas, which means that less CO2 is emitted in its production, transport, and combustion. This measure reduces the CI of the hydrogen and would reduce the GHG impacts of the proposed project to below the 10,000-MT-CO_2e threshold identified in Section 3.3.8.1.3, consistent with the state GHG reduction targets. In addition, BayoTech does anticipate producing hydrogen with a lower CI in the future as more renewable fuel stock becomes available. Based on the net emissions after mitigation, the proposed project would result in a less-than-significant impact.

3.3.9 Hazards and Hazardous Materials

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐	☐
b.	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c.	Emit hazardous emissions or hande hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?	☐	☒	☐	☐
d.	Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e.	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f.	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g.	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

3.3.9.1 Affected Environment

3.3.9.1.1 Port Hazardous Materials Regulations

The Port maintains contractual requirements for the use, handling, and storage of hazardous materials by all of its tenants, in part through the standard tenant terms and conditions listed in the Port's General Tariff No. 1 (Port 2022b). Per General Tariff No. 1, tenants are required to notify the Port immediately of the presence of any hazardous materials on or below property leased from the Port, must "comply with all affirmative legal requirements concerning Hazardous Materials," and must provide the Port with an up-to-date list of all hazardous materials on leased property at least once per year and before any new hazardous materials are brought onto Port property (Port 2022b).

3.3.9.1.2 Listed Hazardous Material Sites

The location of the proposed facility does not appear on the USEPA databases of Resource Conservation and Recovery Act; Comprehensive Environmental Response, Compensation, and Liability Act; or National Priorities List sites (USEPA 2021, 2022). Surrounding sites potentially containing hazardous materials were identified through a search of the California Department of Toxic Substances Control EnviroStor (DTSC 2022) and State Water Resources Control Board GeoTracker (SWRCB 2022) databases. Within a 2-mile radius of the proposed facility, the EnviroStor database lists five cleanup sites and the GeoTracker database identifies 39 cleanup sites with active, open, or unidentified statuses (with some sites occurring in both databases). None of these sites occur within 1,000 feet of the proposed facility.

3.3.9.1.3 Potentially Hazardous Materials On Site

Under baseline conditions, the project site is vacant and not known to contain any potentially hazardous materials. The site is not known to have been used for storage or handling of potentially hazardous materials. Under proposed project conditions, as discussed in Section 2.4, the BayoTech facility would produce hydrogen fuel from natural gas and store it temporarily on site before it is loaded into high-pressure trailers for transport. Storage and production would comply with the NFPA 2 "Hydrogen Technologies Code," and ISO 16110:2007, "Hydrogen generators using fuel processing technologies—Part 1: Safety," standards, as well as relevant federal, state, and local regulations. Additionally, anhydrous ammonia will be used in the SCR unit for abatement of NOx. Anhydrous ammonia will be delivered by suppliers to storage tanks designed specifically for that purpose. From the tanks, the ammonia will feed directly into the SCR unit. The 10-cubic-foot SCR unit will emit ammonia from the deaerator vent to not exceed the permitted limit of 10 ppm.

3.3.9.1.4 Sensitive Receptors

There are no schools, airstrips, airports, or other sites potentially sensitive to hazards or hazardous materials within 1 mile of the proposed facility. The school that is nearest to the project area is George Washington Elementary School, located approximately 1.4 miles to the east of the proposed facility, followed by Victory Elementary School, which is located approximately 1.5 miles across the San Joaquin River to the northeast of the proposed facility. The nearest airport is the Stockton Municipal Airport, located approximately 5.7 miles southeast of the proposed facility.

3.3.9.1.5 Emergency and Spill Response Plans

The proposed BayoTech facility would include an ICSS, incorporating active technological and personnel-based monitoring, emergency response protocol, and process safety management. The ICSS and the plans incorporated into it are designed to minimize risks to workers, the public, and the environment, and to integrate with and support local emergency services in case of emergency.

Regional emergency response plans are detailed in the 2008 San Joaquin County Office of Emergency Services' *Hazardous Materials Area Plan* (SJCOES 2008). The plan discusses topics such as natural hazards, emergency management, mitigation programs, emergency preparedness, and state roles and responsibilities. Under the plan, considerations have been made for the area, including for hazardous materials. Additionally, Appendix 5 of the plan addresses non-routine emergency responses, including responses to industrial chemical hazards and terrorist chemical release (SJCOES 2009). Other hazard plans for the region and throughout California would also apply to the proposed project. To prevent spills into navigable waters and adjoining shorelines, a Spill Prevention, Control, and Countermeasures Plan (SPCCP) would be developed for the proposed facility.

3.3.9.1.6 Wildfire Hazards

The project site is not within any fire hazard severity zones (CAL FIRE 2022a, 2022b). There are no wildlands within the project area, and wildland fires do not pose a risk to the project site.

3.3.9.2 Impact Evaluation

A: Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less-than-Significant Impact After Mitigation. The purpose of the proposed project would be production of hydrogen fuel, a potentially hazardous material. Production would take place within a modular system, compliant with the relevant industry standards discussed under Section 3.3.9.1.3. The facility ICSS would include constant personnel or technology-based monitoring of the hydrogen production and storage systems, and the production and storage systems would use appropriate systems for processing and storing hydrogen. Federally compliant high-pressure cylinders would be used for truck transport. Therefore, production and handling of hydrogen would have a less-than-significant impact related to hazard to the public or the environment.

Project-related construction work would involve surface preparation (excavation, grading, and paving of the project site, followed by constructing slabs on grade). Because the site has not been used for storage or handling of hazardous materials, these surface preparation activities would not expose workers, the public, or the environment to hazardous materials. Site construction and operations would require small quantities of common industrial materials, some of which may be hazardous if improperly managed, such as anhydrous ammonia. The City Fire Department is equipped to respond in the unlikely event of a site accident, and response plans have been developed for the region.

If improperly managed, construction of the proposed project may result in spills, erosion, or other inputs of pollutants to downstream waterbodies. During operation of the proposed project, similar impacts could also occur. Although the risk for these hazards is low given the relatively small scale of construction and operations, impacts could be potentially significant without mitigation. Mitigation

measure BIO-MM-1 would be implemented to reduce potential construction and operational impacts to off-site sensitive habitats from spills or polluted runoff. With implementation of mitigation measure BIO-MM-1 as well as the facility's ICSS and SPCCP, the proposed project would have less-than-significant impacts from construction or operational use of common industrial materials.

B: Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-than-Significant Impact After Mitigation. As described above, the purpose of the proposed project would be production, temporary storage, and transportation of hydrogen fuel. These processes would use appropriate technologies for safe management of hydrogen, and the safety and emergency response measures in the ICSS would reduce any hazards from hydrogen to the public or the environment to less-than-significant.

Small quantities of potentially hazardous common industrial materials, such as anhydrous ammonia, would be required for site construction and operations. Without mitigation, the proposed project could potentially result in impacts associated with the accidental upset of hazardous common industrial materials. The potential for accidental upset of common industrial materials would be reduced through implementation of mitigation measure BIO-MM-1, which include construction and operational measures to control spills and runoff. In addition, the proposed project would operate in compliance with all applicable regulations, including Port requirements for the storage of hazardous materials (Port 2022b). The City Fire Department is equipped to respond in the unlikely event of a site accident, and emergency response plans have been developed for the region. Therefore, with implementation of mitigation measure BIO-MM-1, the proposed project would result in a less-than-significant impact related to reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

C: Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?

Less-than-Significant Impact After Mitigation. The nearest school is George Washington Elementary School, located approximately 1.4 miles to the east. No school is proposed within the 0.25-mile radius of the project site. Because of the area's zoning (Port Area), it is unlikely that a school would be constructed within this radius. West Washington Street, which could be used to transport hydrogen fuel, a hazardous substance, is located within 0.25 mile of the George Washington Elementary School. Although the risk for these hazards is low given the relatively small scale of construction and operations, impacts could be potentially significant without mitigation. The following mitigation measures would be implemented to reduce potential construction and

operational impacts of handling a hazardous substance near the existing George Washington Elementary School:

- **HAZ-MM-1: Use of Designated Roadways**. Offsite truck transport of hydrogen fuel would use the roadways designated by the Port for truck transport (i.e., Navy Drive). These roads do not pass by George Washington Elementary School or any other existing or proposed school.

With implementation of HAZ-MM-1, hydrogen fuel would not be handled within 0.25 mile of an existing school; therefore, the proposed project would result in less-than-significant impacts related to hazardous material emissions or handling in the vicinity of a school.

D: Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. The proposed facility site would not be located on or adjacent to a site that appears on the Cortese list or any other list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. Therefore, the proposed project would have no impact related to the location of the project site.

E: For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The project site is not located within an airport land use plan area, and the nearest airport or airstrip is located approximately 5.7 miles to the southeast. Although truck transport may occur in proximity to airports, the proposed project entails transport of compressed gas per applicable regulations. Therefore, the proposed project would result in no impact related to aviation.

F: Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. BayoTech would implement an ICSS at the proposed facility, as discussed in Section 3.3.9.1.5. The ICSS would provide facility monitoring and include plans that address safety and emergency preparedness. Regional emergency response plans, including but not limited to the San Joaquin County *Hazardous Materials Area Plan* (SJCOES 2008), were developed in consideration of activities occurring within industrial areas of the City. The proposed project would not interfere with implementation of these response plans. Therefore, there would be no impact related to impairment of emergency plans.

G: Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

No Impact. The project site is not within any fire hazard severity zones, and there are no wildlands or other areas susceptible to wildfire in the project area. Therefore, there would be no impact related to wildland fires.

3.3.10 Hydrology and Water Quality

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☒	☐	☐
b.	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c.	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
	i. Result in a substantial erosion or siltation on- or off-site?	☐	☒	☐	☐
	ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	☐	☒	☐	☐
	iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☒	☐	☐
	iv. Impede or redirect flood flows?	☐	☒	☐	☐
d.	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e.	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

3.3.10.1 Affected Environment

3.3.10.1.1 Surface and Stormwater

The existing surface of the project site is compacted soil with soils that have low permeability. The site has been graded flat over many years of management for vegetation control. A 10- to 20-foot-wide earthen, trapezoidal swale occurs on the north side of the site, which drains to a local storm drain to the west. All runoff from the site enters this engineered swale, which moves stormwater to the retention basin immediately west of Navy Drive. All stormwater runoff from the East Complex is conveyed via a system of drainage ditches and channels before being pumped into the Navy Drive stormwater retention basin. Drainage ditches on the East Complex are generally open, with culverts beneath road crossings or other developments (Photograph 7). During years when the retention

basin reaches a high level, stormwater is pumped to the San Joaquin River. Within the project area, construction would involve paving approximately 0.65 acre with concrete and 3.23 acres with asphalt. Approximately 1.12 acres of the site would be overlain by crushed gravel. Soil permeability would be lost where concrete and asphalt are placed, whereas the gravel surfaces would retain existing permeability. Approximately 3.88 acres of impervious surfaces would be created through proposed project implementation for which runoff would be captured in the local storm drain system and retention basins. The proposed project may require incidental installation of storm drains or other minor stormwater conveyance infrastructure, which would tie into the existing Port stormwater conveyance systems.

Photograph 7
Drainage Ditch on Project Site, August 2022



3.3.10.1.2 Flood Hazards

San Joaquin County maintains Flood Insurance Rate Maps, as required by the Federal Emergency Management Agency (FEMA). These Flood Insurance Rate Maps indicate the potential of flooding for various locations. The project site is located in a "Zone X Area," which indicates an area that is outside the 0.2% annual chance of flood (FEMA 2009).

Upstream dam failures could cause flooding in the project area, which is within the dam inundation zone of three major dams, the New Malones, Camanche, and New Hogan dams (City 2018a). Failure of any of these dams would give residents approximately 7 hours to evacuate. Other major regional

dams could also affect the City but would have longer evacuation lead times (City 2018a). California SB 92 (2017) requires emergency action plans for all dams, except those classified as "low hazard."

The project area is protected by a levee system along the San Joaquin River and Burns Cutoff. Levee failure has a relatively small probability of occurrence. The Port is responsible for the levee system and has established an annual levee monitoring and inspection program intended to determine whether reinforcement of the structural integrity of the perimeter levee is required (Stockton Port District 2012). Levee monitoring occurs in collaboration with Reclamation Districts 403 and 404. FEMA has certified and accepted most of the levees within the City as meeting minimum standards (City 2018a). Tsunamis and seiches are not considered to be significant threats in the Stockton area (City 2018a).

3.3.10.1.3 Groundwater

The project area occurs within the San Joaquin Valley Groundwater Basin, which is a subsection of the Greater Central Valley Basin. Groundwater in the area is recharged by local precipitation and through percolation from the surrounding surface waters. Groundwater overdraft conditions have existed in the San Joaquin County Basin since the 1920s, although elevations have recovered and stayed relatively constant since 1999 (Stockton Port District 2012).

Although the proposed project would create approximately 4 acres of impermeable surface, the overall change to groundwater recharge would be minimal as runoff in the East Complex is pumped to the stormwater retention basin immediately west of Navy Drive. Once runoff reaches one of these retention basins, it may percolate into the groundwater table.

3.3.10.1.4 Port of Stockton's Storm Water Development Standards Plan

The Port's Storm Water Development Standards Plan (Port 2009) covers new and substantial redevelopments of properties within three subareas to ensure compatibility with the California State Water Resources Control Board-issued Municipal Separate Storm Water Sewer System NPDES Permit. Port Storm Water Development Standards Plan review includes assessment of technical stormwater submittals from project proponents.

3.3.10.2 Impact Evaluation

A: Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less-than-Significant Impact After Mitigation. Construction activities associated with the proposed project would include excavation and grading of soils. These activities could pose the potential for water quality impacts during construction. Because the proposed project would include more than 1 acre of ground disturbance, a NPDES Construction Stormwater General Permit addressing these types of impacts would be required. Additionally, construction would be conducted

in compliance with the SMP (BIO-MM-2) to ensure material is excavated and consolidated in a safe manner. Construction activities would not occur in areas known to be contaminated.

Proposed project operations may require use, storage, and management of common industrial materials such as lubricants and fuels. The risk for these hazards is low because the quantities of these industrial materials would be limited, and any use of such materials would be per manufacturer procedures compliant with relevant regulations. There would not be a substantial increase in use of common industrial materials compared to baseline conditions.

Water quality impacts from project construction could potentially occur; however, potential impacts to off-site waterbodies and associated wetlands would be avoided through implementation of mitigation measures BIO-MM-1 and BIO-MM-2, which include construction and operational measures to control spills and runoff. With implementation of these mitigation measures, the proposed project would have less-than-significant impacts on water quality.

B: Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less-than-Significant Impact. The proposed project footprint occurs within the developed East Complex, in areas surfaced with existing rail lines, compacted soil, or other low to moderately permeable surfaces. Stormwater runoff from proposed impermeable surfaces would continue to flow toward permeable surfaces and percolate directly into the groundwater table or be conveyed to the larger stormwater conveyance system for eventual discharge to the San Joaquin River or return to the groundwater table.

In consideration of the proposed project's minor effects on permeable surfaces and the continued conveyance of stormwater throughout the Port's existing drainage systems, there would be a less-than-significant impact pertaining to groundwater recharge.

C: Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: i) result in a substantial erosion or siltation on- or off-site; ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or iv) impede or redirect flood flows?

Less-than-Significant Impact After Mitigation. Stormwater runoff would be conveyed via a system of drainage ditches and channels before being pumped into the stormwater retention basin immediately west of Navy Drive.

Construction of the proposed concrete and asphalt surfaces is unlikely to significantly affect drainage, as existing surfaces are low permeability. Given the relatively flat topography and low-permeability surfaces under existing and proposed conditions, nominal increases in stormwater runoff are unlikely to result in substantial siltation or erosion, and the Port regularly maintains the drainage system throughout the East Complex. The proposed project would not result in any alteration to the course of any stream, river, or other waterbodies.

The proposed project may require incidental installation of storm drains or other minor stormwater conveyance infrastructure, which would tie into the existing Port stormwater conveyance systems. Any such improvements would be designed and implemented in compliance with the Port's Storm Water Development Standards Plan (Port 2009) to ensure that adverse water quality or drainage impacts are avoided.

As previously noted, site construction and operations would require use of small quantities of common industrial materials, which could contribute to polluted runoff if improperly managed. Although the risk for these hazards is low given the relatively small scale of construction and operations and commodity material handled, impacts could be potentially significant without mitigation. Mitigation measures BIO-MM-1 and BIO-MM-2 would be implemented to control spills and runoff during construction and operation. With implementation of these mitigation measures, the proposed project would have less-than-significant impacts from inputs of polluted runoff.

D: Would the project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. The project area is within the dam inundation zone for several dams, and levee systems protect the project site from inundation. There is a low probability for failure of existing dams and levees, and existing inspection and response plans are in place to address these hazards. The project site is not within a FEMA-designated flood hazard area. Therefore, the proposed project would not exacerbate risks related to flood hazards or the risk of stormwater contamination during flooding, and there would be no impact.

E: Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less-than-Significant Impact. As previously described, the proposed project would result in only less-than-significant water quality or groundwater impacts. In addition, the proposed project would be subject to Port review for compliance with its Storm Water Development Standards Plan (Port 2009). Therefore, there would be a less-than-significant impact.

3.3.11 Land Use and Planning

	Would the project:	Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Physically divide an established community?	☐	☐	☐	☒
b.	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

3.3.11.1 Affected Environment

The 2040 General Plan (City 2018a) designates the project site as "Industrial," and the zoning classification of the project site and surrounding parcels is "Port" (City 2021b). There is no housing within the project site. The closest residential area, the Boggs Tract neighborhood, is located approximately 1.1 miles east of the project site.

3.3.11.2 Impact Evaluation

A: Would the project physically divide an established community?

No Impact. The project area is zoned as port use and does not include any residences, hospitals, schools, convalescent facilities, or other features that would constitute an established community. The proposed project land use is consistent with the project site's current zoning and existing use. The nearest established community, Boggs Tract, would not be impacted by proposed project activities; therefore, there would be no impact.

B: Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. Development of the project site for the purpose of constructing and operating a hydrogen production and dispensing station is consistent with its existing zoning and use. Accordingly, the proposed project would be consistent with applicable land use plans and policies, and there would be no impact.

3.3.12 Mineral Resources

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?	☐	☐	☐	☒
b.	Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

3.3.12.1 Affected Environment

Important extractive resources in San Joaquin County include sand, gravel, natural gas, peat soil, placer gold, and silver. Extraction of these resources is focused in the southwestern portion of San Joaquin County in the vicinity of the San Joaquin River (Stockton Port District 2013). The project area is classified as a Mineral Resource Zone (MRZ)-1 (California Department of Conservation 2012); adequate information indicates that no significant mineral deposits are present, or it is judged that little likelihood exists for their presence. The project site does not contain any known mineral resources, including any rock, sand, or gravel.

3.3.12.2 Impact Evaluation

A: Would the project result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?

No Impact. Due to the proposed project's location in an MRZ-1, continued development of the area would not limit access to any known mineral resources. As a result, the proposed project would neither interfere with any existing extraction operations nor reduce the availability of any known mineral resources. Therefore, there would be no impact.

B: Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. The project area does not include a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan. Therefore, there would be no impact.

3.3.13 Noise

Would the project result in:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b.	Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c.	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

3.3.13.1 Affected Environment

3.3.13.1.1 Fundamentals of Sound and Noise

Sound is what we hear and is defined as the energy of a vibrating object transmitted by pressure waves through a medium, such as air or water, to the human ear. Noise is most simply defined as unwanted sound. The difference between sound and noise depends upon the listener and the circumstances. A given noise may be more or less tolerable depending on the duration exposure, as well as the time of day when the noise occurs. For example, the sound of a distant train horn during the day may be considered background noise but could disrupt sleep at night.

Sound is measured in decibels (dB) and accounts for variations such as frequency and amplitude, using a relative scale adjusted to the human range for hearing (referred to as the A-weighted decibel [dBA]). More specifically, the dBA measures sound reflective of how the average human ear responds to sound; the range of human hearing typically ranges from 0 dBA (the threshold of hearing) to approximately 140 dBA (the threshold for pain). Acceptable noise levels during the day are higher than during the night, and industrial land use in urban areas will have a higher limit than residential land use in rural areas.

Noise can be generated by both mobile (i.e., cars) and stationary (i.e., operational machinery) sources. Mobile sources typically attenuate at a rate of 3.0 to 4.5 dBA per doubling of distance, depending on the ground surface and obstructions between the noise source and the receiver. Hard

and flat surfaces, such as concrete or asphalt, typically have an attenuation rate of 3.0 dBA per doubling of distance. Soft surfaces, such as uneven or vegetated terrain, typically have an attenuation rate of 4.5 dBA per doubling of distance. Noise generated by stationary sources typically attenuates at a rate of 6.0 to 7.5 dBA per doubling of distance.

The community noise equivalent level (CNEL) measures the cumulative 24-hour noise exposure, considering not only the variation of the A-weighted noise level but also the duration and the time of day of the noise. Various state and local agencies have adopted CNEL as the measure of community noise, including the State Department of Aeronautics and the California Commission on Housing and Community Development.

Noise is measured through the use of several measurements, including the following:

- **Equivalent Sound Level (L_{eq})** is the constant noise level that would result in the same total sound energy being produced over a given period. It is useful for representing a varying sound source over time as a single number.
- **Maximum Sound Level (L_{max})** is the maximum sound level.
- **Statistical Sound Levels (L_n; e.g., L_{min}, L_{90}, L_{50}, L_{10})** The percentile-exceeded noise level, designated as L_n, describes the noise level that is met or exceeded by a fluctuating sound level n-percent of a stated time period. For example, the L_{50} is the sound level that is equaled or exceeded for 50% of the time period (equivalent to 30 minutes in an hour), and the L_{10} is the sound level that is equaled or exceeded for 10% of the time period (equivalent to 6 minutes in an hour). L_{min} is the minimum sound level.
- **Day/Night Average Sound Level (L_{dn} or DNL)** is the average noise level over a 24-hour period. The noise level measurements between the hours of 10:00 p.m. and 7:00 a.m. are artificially increased by 10 dB before averaging.

3.3.13.1.2 Fundamentals of Groundborne Vibration

Groundborne vibration is an oscillatory motion that can be described in terms of displacement, velocity, or acceleration. Each of these measures can be further described in terms of frequency and amplitude. Displacement is the easiest descriptor to understand; it is simply the distance that a vibrating point moves from its static position (i.e., its resting position when the vibration is not present). The velocity describes the instantaneous speed of the movement, and acceleration is the instantaneous rate of change of the speed. Vibrating objects can radiate their energy through the ground upon contact; if the object is large or close enough to an observer, ground vibrations can be perceived. As such, environmental impact analyses typically study vibration as it relates to building damage and human annoyance. However, because ground vibration generated by human activities typically attenuates rapidly from the source of vibration, human vibration issues are usually confined to short distances, such as 500 feet or less from the source (FHWA 2006a).

Although displacement is fundamentally easier to understand than velocity or acceleration, it is rarely used for describing groundborne vibration because: 1) human response to groundborne vibration correlates more accurately with velocity or acceleration; 2) the effect on buildings and sensitive equipment is more accurately described using velocity or acceleration; and 3) most transducers used in the measurement of groundborne vibration actually measure either velocity or acceleration. For this study, velocity was the fundamental measure used to evaluate the effects of groundborne vibration.

Vibration consists of rapidly fluctuating motions with an average motion of zero. The peak particle velocity (PPV) is defined as the maximum instantaneous positive or negative peak amplitude of the vibration velocity. The accepted unit for measuring PPV in the United States is inches per second (in/sec).

3.3.13.1.3 Environmental Setting

Existing noise in the project area can be attributed to various stationary and mobile sources, including tractor-trailer truck traffic, rail activity, and adjacent industrial equipment (Port 2004). Other sources that contribute to the existing noise environment in the general site vicinity include landscaping activities (e.g., leaf blowing and lawn mowing) and local and regional roadway traffic on nearby local roads and highways (i.e., I-5 and State Routes 4 [SR-4] and 99 [SR-99]). Noise monitoring previously conducted for the West Complex Development Plan concluded that the L_{eq} on nearly Rough and Ready Island (the West Complex) generally ranges between 60 and 84 dBA, with higher levels from short-term increases in noise levels 85 dBA or higher.

Noise-sensitive land uses are generally considered to be uses in which noise exposure could result in health-related risks to individuals or places where quiet is an essential element of their intended purpose. Residential dwellings are of primary concern because of the potential for increased and prolonged exposure of individuals to both interior and exterior noise levels. Other land uses, such as parks, historic sites, cemeteries, and other recreation areas, are also considered sensitive to increases in exterior noise levels. Schools, places of worship, hotels, libraries, nursing homes, retirement residences, and other places where low interior noise levels are essential are also considered noise-sensitive land uses.

3.3.13.1.4 Regulatory Setting

The Occupational Safety and Health Administration (OSHA) has established acceptable occupational noise exposure levels (29 *Code of Federal Regulations* [CFR] 1910.95). These regulations state that employees shall not be exposed to occupational noise levels greater than 90 dB without adequate hearing protection. If occupational noise levels exceed 85 dB, the employer must establish a hearing conservation program as described under 29 CFR 1910.95(c–o). For occupational noise exposure levels greater than 90 dB, the daily period of noise exposure must be decreased from 8 hours, as described under 29 CFR 1910.95(b).

The USEPA Office of Noise Abatement and Control was established to coordinate federal noise control activities and issued the Noise Control Act of 1972 (42 *United States Code* 4901 et seq.), establishing programs and guidelines to identify and address the effects of noise on public health and welfare and the environment. USEPA determined in 1981 that subjective issues such as noise would be better addressed at lower levels of government, and responsibilities for regulating noise control policies were transferred to state and local governments in 1982.

The State of California General Plan Guidelines, published by the OPR, provide guidance for the acceptability of projects within areas that are exposed to specific noise levels. For areas zoned for industrial, manufacturing, utilities, and agricultural land uses, the normally acceptable level of community noise exposure is less than 75 CNEL with 70 to 80 CNEL considered conditionally acceptable (OPR 2017). The guidelines also present adjustment factors that may be used to arrive at noise acceptability standards that reflect the noise control goals of the community, the particular community's sensitivity to noise, and the community's assessment of the relative importance of noise pollution.

For the protection of fragile, historic, and residential structures from groundborne vibration, Caltrans recommends a threshold of 0.2 in/sec PPV for normal residential buildings and 0.08 in/sec PPV for old or historically significant structures (Caltrans 2020).

The City has developed community noise control regulations and standards that are consistent with or exceed the guidelines of the State Office of Noise Control and the standards adopted by the Federal Highway Administration (FHWA), Caltrans, and other government and regulatory agencies (City Municipal Code Title 16, Division 3, Chapter 16.60). Regarding construction, the City prohibits "operating or causing the operation of tools or equipment on private property used in alteration, construction, demolition, drilling, or repair work between the hours of 10:00 p.m. and 7:00 a.m., so that the sound creates a noise disturbance across a residential property line, except for emergency work of public service utilities." State law requires general plans to use the CNEL or the L_{dn} to describe the community noise environment (in dBA) and its effects on the population.

The 2040 General Plan (City 2018a) establishes goals, policies, and criteria for determining land use compatibility with major noise sources within the community. The 2040 General Plan includes Policy SAF-2.5, which protects the community from health hazards and annoyance associated with excessive noise levels.

Policy SAF-2.5 includes the following standards:

- Action SAF-2.5A: Prohibit new commercial, industrial, or other noise-generating land uses adjacent to existing sensitive noise receptors, such as residential uses, schools, health care facilities, libraries, and churches, if noise levels are expected to exceed 70 dBA CNEL when measured at the property line of the noise-sensitive land use.

- Action SAF-2.5B: Require projects that would locate noise-sensitive land uses where the projected ambient noise level is greater than the "normally acceptable" noise levels listed in Table 5-1 of the 2040 General Plan (included below as Table 13) to conduct an acoustical analysis. (As noted in Table 5-1 of the 2040 General Plan, if existing noise standards are exceeded, a proposed project shall not incrementally increase noise levels by more than 3 dBA.)
- Action SAF-2.5C: Require noise produced by commercial uses to not exceed 75 dBA L_{dn}/CNEL at the nearest property line.
- Action SAF-2.5D: Grant exceptions to the noise standards for commercial and industrial uses only if a recorded noise easement is conveyed by the affected property owners.
- Action SAF-2.5E: Require all new habitable structures to be set back from railroad tracks to protect residents from noise, vibration, and safety impacts.

Table 13
Maximum Allowable Noise Exposure by Land Use Per City of Stockton 2040 General Plan (L_{dn})

Land Use	Noise Level, L_{dn} (dBA)						
	0–55	56–60	61–65	66–70	71–75	75–80	>81
Residential							
Urban residential infill							
Hotels, motels							
Schools, libraries, churches, hospitals, extended care facilities							
Auditoriums, concert halls, amphitheaters							
Sports arenas, outdoor spectator sports							
Playgrounds, neighborhood parks							
Golf courses, riding stables, water recreation, cemeteries							
Office buildings, business commercial and professional							
Mining, industrial, manufacturing, utilities, agriculture							

Notes:
Source: City 2018a
Normally Acceptable
Conditionally Acceptable
Unacceptable

3.3.13.2 Impact Evaluation

A: Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less-than-Significant Impact. The City's noise regulations and standards apply to operations of the proposed project. Specifically, the 2040 General Plan regulates industrial uses with L_{dn} of 70 dBA and below as "normally acceptable" and between 71 and 80 dBA as "conditionally acceptable" following the incorporation of noise reduction features. Noise levels above 80 dBA are considered unacceptable. The City's noise ordinance also requires that the maximum sound level generated by industrial land uses, or other permitted noise-generating activities within any industrial zoning district, remain below 80 dBA. Previous noise monitoring conducted on the Port's West Complex determined that the existing L_{dn} near the project site ranges between 60 and 84 dBA, with higher levels from short-term increases in noise levels 85 dBA or higher. As shown, existing ambient noise levels exceed the City's guidance levels.

Noise attenuates with distance from the source. Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, and senior care facilities would each be considered noise- and vibration-sensitive and may warrant unique measures for protection from intruding noise. The closest non-mobile sensitive receptor is the Boggs Track neighborhood, located approximately 1.1 miles (5,800 feet) east of the project site. Other sensitive receptors in the vicinity of the project site include the San Joaquin River, located approximately 485 feet west of the project site and used for recreation, and Louis Park and Stockton Rod and Gun Club (both are approximately 0.9 mile northwest of the project site).

Construction activities typically require the use of numerous pieces of noise-generating equipment. These activities would temporarily increase ambient noise levels on an intermittent basis. Noise levels would fluctuate depending on the construction phase, equipment type and duration of use, distance between the noise source and receptor, and presence or absence of noise attenuation barriers. Table 14 presents the typical noise level of proposed construction equipment for the proposed project and the reference noise levels that each equipment type would generate.

Table 14
Roadway Construction Noise Model Default Noise Emission Reference Level at 50 Feet by Phase

Major Equipment	Reference Sound Level at 50 feet (dBA)
Phase 1: Mobilization	
Welder	73
Generator	82
Forklift	80[1]
Phase 2: Site Preparation (Excavation, Grading, Paving, and Construction of Slabs on Grade)	
Tractor	84
Excavator	85
Grader	85
Loader	80
Dozer	85
Air compressor	80
Backhoe	80
Welder	73
Generator	82
Scraper	85
Forklift	80[1]
Phase 3: Civil (Trenching, Testing, and Cover of Underground Piping/Conduit/Ground Grid, Foundation Forms, Re-Steel Assembly, and Concrete Pours)	
Generators (2)	82
Excavator	85
Grader	85
Loader	80
Paver	85
Air compressor	80
Backhoe	80
Welder	73
Forklift	80[1]
Phase 4: Installation of Hydrogen-production Equipment	
Cranes (2)	85
Forklift	80[1]
Generators (2)	82
Welder	73
Air compressor	80
Phase 5: Electrical and Pipeline Interconnections	
Generators (2)	82
Welders (3)	73

Major Equipment	Reference Sound Level at 50 feet (dBA)
Phase 6: Commissioning/Test of System	
No equipment required	
Phase 7: Demobilization	
Dozer	85
Tractor	84
Loader	80
Grader	85
Air compressor	80
Paver	85

Note:
1. The actual measurement for forklift was not sampled; therefore, the specification data were used.
Source: *FHWA Roadway Construction Noise Model User's Guide* (FHWA 2006b)

To calculate proposed project construction noise impacts to sensitive receptors in the recreational area west and south of the project area, major construction equipment types/numbers characteristic of each construction phase were input into the FHWA Roadway Construction Noise Model (FHWA 2006b). This model estimates construction noise levels at selected locations around the construction site based on a database of measured equipment noise generation for each equipment type and the application of source-receptor distance acoustical propagation formulas. As a conservative approach, no shielding was assumed. As shown in Table 14, the proposed project's construction noise levels would be within the existing range for ambient noise levels in the area and below the City's maximum noise level for industrial uses. Table 15 shows that the model indicates the L_{max} of combined noise equipment would be 32.7 dBA at 5,800 feet from the project site (the closest distance from non-mobile sensitive receptors), and the L_{eq} would be 28.7 dBA, which is well below both the existing range for ambient noise levels in the area (60 to 84 dBA) and the City's maximum noise level for industrial uses (80 dBA).

Table 15
Construction Daytime Noise Limits and Exceedances

Equipment	Calculated (dBA)		Noise Limits (dBA)		Noise Limit Exceedance (dBA)	
	L_{max}	L_{eq}	L_{max}	L_{eq}	L_{max}	L_{eq}
Welders (up to 3)	32.7	28.7	80	60	None	None
Generators (up to 2)	39.3	36.3	80	60	None	None
Tractor	42.7	38.7	80	60	None	None
Excavator	39.4	35.4	80	60	None	None
Grader	43.7	39.7	80	60	None	None
Loader	37.8	33.8	80	60	None	None
Dozer	40.4	36.4	80	60	None	None
Air compressor	36.4	32.4	80	60	None	None
Backhoe	36.3	32.3	80	60	None	None
Scraper	42.3	38.3	80	60	None	None
Paver	35.9	32.9	80	60	None	None
Forklift	38.7	35.7	80	60	None	None
Total	**43.7**	**47.3**	**80**	**60**	**None**	**None**

Notes:
The L_{max} noise limit is representative of the maximum volume permitted by the City for industrial uses.
Per previous noise analyses conducted, the existing day-night noise level (DNL) near the project site on Rough and Ready Island ranges between 60 and 84 dBA (Port 2004). To analyze noise increases conservatively, a baseline of 60 dBA was used as the hourly L_{eq} limit. Evening and night noise has not been analyzed because construction would not occur during evening hours (7:00 p.m. to 10:00 p.m.) or nighttime hours (10:00 p.m. to 7:00 a.m.).

The City's noise regulations and standards also apply to operations of the proposed project. The 2040 General Plan further defines noise standards for industrial uses located adjacent to noise-sensitive land uses such as residential and zoning districts (City 2018a). In this case, the project site does not occur adjacent to noise-sensitive land uses. Operational sources include trucks, rail, and hydrogen production equipment system. As previously noted, operations would occur at least approximately 5,800 feet from the closest non-mobile sensitive receptor (Boggs Track neighborhood). While the proposed project would result in new operations at the project site, proposed operations would be consistent with the types of existing nearby activities (truck and rail trips). In addition, the project site is surrounded by fences, stockpiles, staged equipment, buildings, and structures that would help shield noise and would not be heard at the closest residential receptors.

Based on the analyses above, the proposed project would result in a less-than-significant impact related to construction and operational noise.

B: Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less-than-Significant Impact. Unless heavy construction activities are conducted extremely close (within a few feet) to neighboring structures, vibrations from construction activities rarely reach levels that damage structures. Typical vibration levels associated with construction equipment are provided in Table 16. Heavy equipment (e.g., a large bulldozer) generates vibrations levels of 0.089 in/sec PPV at a distance of 25 feet.

Table 16
Vibration Velocities for Construction Equipment

Equipment	PPV at 25 feet (in/sec)
Loaded trucks	0.076
Jackhammer	0.035
Small bulldozer/backhoe	0.003
Heavy equipment (e.g., a large bulldozer)	0.089

Source: FHWA 2006a

The construction vibration damage criterion for buildings that are extremely susceptible to vibration damage is 0.12 in/sec PPV. This is the strictest PPV vibration threshold established by the Federal Transit Administration (FTA). The nearest building to the construction area would be approximately 90 feet to the south, and the nearest residential sensitive receptors is approximately 5,800 feet to the east. The typical vibration level from heavy equipment at this distance would be less than 0.035 in/sec PPV, which would not exceed the FTA damage criteria.

Proposed project operations would create some groundborne vibrations due to truck and rail movements. However, the project area is industrial, and any vibrations produced as a result of proposed project operations would be low and infrequent. Because the construction-related vibration would not exceed FTA thresholds, the proposed project would result in a less-than-significant impact related to construction vibration. Due to the industrial nature of the area and the anticipated low and infrequent emissions of vibrations, proposed project-related operational vibration would result in a less-than-significant impact.

C: For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. There are no public airports located within 2 miles of the project area. The nearest public airport is the Stockton Metropolitan Airport, located nearly 5.7 miles southeast from the project site. The project site is not located in the vicinity of a private airstrip. Because of the distance of the project site from the nearest public airport or private airstrip, the proposed project would not expose people residing or working in the project area to excessive noise levels. There would be no impact.

3.3.14 Population and Housing

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b.	Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

3.3.14.1 Affected Environment

The 2040 General Plan (City 2018a) designates the project area as "Industrial." The zoning designation for the project area and surrounding parcels is Port. There is no housing within the project area. The closest residential community is the Boggs Tract neighborhood, located 1.1 miles east of the project site.

Growth at the Port is expected to increase direct employment opportunities; however, this increase in employment is not expected to result in a significant need for additional housing in the area because of the large number of workers who already reside within the area and the relatively high rate of unemployment for the City (5.7% for June 2022; CEDD 2022a) compared to the State of California (4.0% for June 2022; CEDD 2022b) and the United States (3.6% for June 2022; BLS 2022; Port 2004).

3.3.14.2 Impact Evaluation

A: Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. No new homes, businesses, or roads would be built as part of the proposed project, and the proposed project would not affect population growth in the area. Therefore, there would be no impact.

B: Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed project would not impact the Boggs Tract neighborhood or any other housing near the Port. The proposed project would have no effect on existing residential areas, and the project site's zoning precludes the potential for future housing developments. Therefore, the proposed project would have no impact on housing.

3.3.15 Public Services

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?		☐	☐	☐	☒
Police protection?		☐	☐	☐	☒
Schools?		☐	☐	☐	☒
Parks?		☐	☐	☐	☒
Other public facilities?		☐	☐	☐	☒

3.3.15.1 Affected Environment

3.3.15.1.1 Fire Protection

The City's Fire Department provides fire protection to the City and contiguous areas, including the project site. The department has 12 fire stations, each with one fire engine (City 2018b). The department's goal for response time, per the 2040 General Plan (City 2018a), is to arrive at fire suppression incidents within 4 minutes of notification. Nearby fire stations include Station 6 at 1501 Picardy Drive (1.8 miles northeast of the proposed facility) and Station 2 at 110 West Sonora Street (2.6 miles east of the proposed facility; City 2018b).

3.3.15.1.2 Police Protection

The Port maintains the Port Police Department, an independent certified police agency (Port 2022c). The Port Police Department patrols on a 24-hour basis and is currently served by 13 staff. At least three Port police officers are on duty simultaneously (two on patrol and one in charge of communications). The Port Police Department has mutual aid agreements with the City Police Department, the San Joaquin Sheriff's Department, and the California Highway Patrol in case additional police response is needed (Port 2004). The Stockton Police Department, maintained by the City, also provides police service throughout the City and has an officer to citizen ratio of approximately 1 to 605 (City 2022a). The department responds to emergencies within approximately 3 to 5 minutes, depending on time of day, location, and the number of requests for services (Stockton Port District 2012).

3.3.15.1.3 Schools

The Stockton Unified School District is divided into seven trustee areas and includes 37 Head Start classes, 53 State preschool classes, three First 5 Preschool classes, 41 elementary schools, eight high

schools, a special education school, an adult education school, and five charter schools (SUSD 2019). There are also colleges, universities, and vocational training schools that are located in Stockton, including California State University, Stanislaus's Stockton Center, San Joaquin Delta College, University of the Pacific, Humphreys University, Christian Life College, Teachers College of San Joaquin, and UEI College (Stockton Port District 2012). The nearest schools are George Washington Elementary School, approximately 1.4 miles east of the proposed facility, and Victory Elementary School, approximately 1.5 miles northeast of the proposed facility.

3.3.15.1.4 Parks

The 2040 General Plan (City 2018a) designates the project area as Industrial. Nearby parks include Louis Park, approximately 0.9 mile northwest of the proposed facility, and Boggs Tract Park, approximately 1.3 miles west of the proposed facility.

3.3.15.2 Impact Evaluation

A: Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services: 1) fire protection; 2) police protection; 3) schools; 4) parks; or 5) other public facilities?

No Impact. The proposed project would not result in increased demand on any existing facilities or services, including fire protection, police, schools, or parks. The project area is adequately served by the City Fire Department, City Police Department, and Port Police Department. There would be no impact to fire protection, police, schools, parks, or other public facilities.

3.3.16 Recreation

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b.	Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

3.3.16.1 Affected Environment

The City operates and maintains 66 parks ranging in size from 1 to 60 acres (City 2018a). Recreational facilities can also be found on the waterways in the region, which include natural rivers and creeks; manufactured canals, channels, sloughs, and ditches; and the Delta (City 2015). Several parks and recreational facilities exist in the vicinity of the project area, including Boggs Tract Park (1.3 miles east of the project site) and Louis Park and Stockton Rod and Gun Club (both are approximately 0.9 mile northwest of the project site). Recreational use of the surrounding San Joaquin River west of the project area includes primarily recreational boating and fishing (Stockton Port District 2013). There is no public access to the active Port, and the portion of the river directly adjacent to the proposed project is not a popular recreational area due to the Port's operating industrial berths.

3.3.16.2 Impact Evaluation

A: Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. Neither construction nor operation of the proposed project would increase the use of existing neighborhood and regional parks or other recreation facilities. Therefore, there would be no impact.

B: Would the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

No Impact. The proposed project does not include the construction or expansion of any recreational facilities and would not result in increased demand or other effects to recreational facilities. Therefore, the proposed project would result in no impact to recreational facilities.

3.3.17 Transportation

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b.	Conflict or be inconsistent with CEQA Guidelines Section 15064.3(b)?	☐	☐	☒	☐
d.	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐
e.	Result in inadequate emergency access?	☐	☐	☐	☒

3.3.17.1 Affected Environment

This section discusses the transportation-related context in which the proposed project would be constructed and operate, including the street and rail network that serves the area; existing transit service, bicycle, and pedestrian facilities near the proposed project; and a summary of current conditions.

3.3.17.1.1 Regional Highway and Roadways

The Port is served by regional freeways and highways, namely I-5, SR-4, and SR-99, with local roads serving the terminals and wharves. I-5, Fresno Avenue, and Center Street serve the major north-south movements of traffic in the proposed project vicinity, and Washington Street, Navy Drive, and Charter Way serve the east-west flow of traffic in the area. Existing roadways are as follows:

- **SR-4** is a major east-west roadway that traverses Northern California. SR-4 branches off from I-80 in the City of Hercules, and continues east, terminating at SR-89 near the border of Nevada. Within the study area, SR-4 is discontinuous. The western segment (Charter Way) is a two-lane highway that continues east of I-5 as Doctor Martin Luther King Junior Boulevard. The eastern segment is a six-lane freeway that begins north of Navy Drive and continues east to SR-99. Caltrans opened the Crosstown Freeway Extension project in 2016, which extended the Crosstown Freeway (Ort J. Lofthus Freeway) west from Fresno Avenue to Navy Drive. The extension is elevated and crosses over Fresno Avenue, creating a grade separation that now prohibits highway traffic from entering the Boggs Tract neighborhood at Fresno Avenue.
- **I-5** is a major north-south freeway that traverses through California, Oregon, and Washington. Within the study area, I-5 is a six- to eight-lane freeway. North of Charter Way, I-5 has three general-purpose lanes and one high occupancy lane in each direction. South of Charter Way, I-5 has three general-purpose lanes in each direction.

- **McCloy Avenue** is a two-lane east-west collector located in the Port of Stockton. McCloy Avenue begins at Humphreys Street and continues east as Navy Drive in the City of Stockton. There are no sidewalks or bicycle facilities on McCloy Avenue.
- **Port of Stockton Expressway** is a two-lane north-south arterial located between McCloy Avenue and SR-4/Charter Way in the Port of Stockton. There are no sidewalks or bicycle facilities on Port of Stockton Expressway.
- **Navy Drive** is an east-west arterial that extends from McCloy Avenue and continues east before terminating at Charter Way. Navy Drive is four lanes between McCloy Avenue and Tille Lewis Drive and two lanes between Tille Lewis Drive and Charter Way. Navy Drive is classified as a truck route by the City. There are no sidewalks or bicycle facilities on Navy Drive.
- **Fresno Avenue** is a two-lane north-south collector located between Harbor Street in the north to Houston Avenue in the south. Fresno Avenue is classified as a truck route north of SR-4/Charter Way. Between Hazelton Avenue and Charter Way, Fresno Avenue is surrounded by mainly industrial land uses. There are very few sidewalks and no bicycle facilities on Fresno Avenue north of Charter Way.
- **Washington Street** is a two-lane east-west arterial that is located between Navy Drive and Weber Avenue. Washington Street is classified as a truck route and used to serve as a primary truck route before the SR-4/Navy Drive connector was constructed. There are very few sidewalks and no bicycle facilities on Washington Street.

3.3.17.1.2 Rail Network

California's freight railroad system consists of Class I railroads (BNSF and Union Pacific Railroad [UP]), which transport freight to and from the state over state lines, and Class III railroads, referred to as shortline railroads, which provide local rail movements. Both UP and BNSF lines serve the Port. In Northern California, the Martinez Subdivision, Feather River Canyon, and Donner Pass routes serve the ports of Oakland and Stockton; these routes are owned and dispatched by UP but serve BNSF through trackage right agreements. BNSF operates the Stockton Intermodal Facility on the southeast edge of the City, and UP operates a major intermodal facility and other terminal operations in Lathrop, California. Several shortline railroads also operate in Stockton. Central California Traction Company (CCT), jointly owned by BNSF and UP, operates 52 miles of freight service between Stockton and Lodi and is the shortline operator for the Port. CCT connections are made with BNSF, UP, and the Stockton Terminal and Eastern Railroads, which run from Stockton to Linden (City 2018a). The Port provides its own internal railway system. CCT provides all switching and local movements within the Port.

3.3.17.1.3 Public Transit

Transit in the study area is provided by San Joaquin Regional Transit District, which is the regional transit provider for San Joaquin County and the Stockton Metropolitan Area. Access to the project site is very limited via transit, with the closest transit stops being located approximately 2 miles away. The closest transit routes serving the Boggs Tract community are as follows:

- **Route 515** operates weekdays between 5:30 a.m. and 7:00 p.m. and provides service between Boggs Tract and Downtown Stockton. The route operates with headways of approximately 60 minutes.
- **Route 715** operates weekends between 9:00 a.m. and 6:00 p.m. and provides service between Boggs Tract and Downtown Stockton. The route operates with headways of approximately 60 minutes.

3.3.17.1.4 Bicycle and Pedestrian Facilities

Bicycle and pedestrian facilities are extremely limited within the Port. There are no bicycle lanes, and most roads are private and do not include sidewalks.

3.3.17.2 Regulatory Setting

Traffic analyses in California are guided by policies and standards set at the State level by Caltrans and local jurisdictions. Caltrans policies are applicable to the proposed project and are summarized in Caltrans's *Guide for the Preparation of Traffic Impact Studies*, which provides a summary of goals and policies (Caltrans 2002). Per the Caltrans guidebook, the appropriate level of traffic analysis is

determined by the nature of a project, highway conditions, and forecasted traffic. If a project meets the following criteria, this provides a starting point for determining whether a traffic impact study is needed:

- The project would generate more than 100 peak-hour trips assigned to a state highway facility.
- The project would generate 50 to 100 peak-hour trips assigned to a state highway facility, and affected state highway facilities are experiencing noticeable delay, approaching unstable traffic flow conditions (Level of Service [LOS] C or D).
- The project would generate 1 to 49 peak-hour trips assigned to a state highway facility, and: 1) affected state highway facilities are experiencing significant delay with unstable or forced traffic flow conditions (LOS E or F); 2) the potential risk for a traffic incident is significantly increased (e.g., congestion-related collisions, non-standard sight distance considerations, and increase in traffic conflict points); or 3) the project would cause changes in local circulation networks that impact a state highway facility (e.g., direct access to state highway facility or a non-standard highway geometric design).

SB 743, signed by Governor Brown in 2013, is intended to better align congestion management with statewide goals related to infill development, promotion of public health through active transportation, and reduction of GHG emissions. SB 743 has set the stage for moving away from LOS, which measures delay to motorists, to vehicle miles traveled (VMT) as the metric to evaluate transportation network performance and land use and transportation planning decisions through CEQA. Specifically, SB 743 required OPR to amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts.

In December 2018, the California Natural Resources Agency certified and adopted the CEQA Guidelines update package, including the CEQA Guidelines section implementing SB 743. Under the updated CEQA Guidelines, the CEQA analysis must consider the amount and distance of automobile travel attributable to a project. OPR issued a *Technical Advisory on Evaluating Transportation Impacts in CEQA* (OPR Technical Advisory; OPR 2018), which provides general guidance on VMT analyses in the absence of regional guidance and defines automobiles as on-road passenger vehicles, specifically cars and light trucks. Other relevant considerations may include the effects of the project on transit and non-motorized travel. SB 743 also amended congestion management law to allow cities and counties to opt out of LOS standards within certain infill areas. Transportation impacts related to air quality, noise, and safety must still be analyzed under CEQA where appropriate (PRC 21099[b][3]). Under PRC 21099, automobile delay, as described solely by LOS or similar measures of vehicular capacity or traffic congestion, shall not be considered a significant impact on the environment (*Citizens for Positive Growth & Preservation v. City of Sacramento*).

The CPUC has legal regulatory authority over rail safety within California, including operations and grade crossings throughout the state. However, rail operations under the proposed project are not

subject to approval or modification by the commission because no grade crossings would be added or modified.

SJCOG has developed a Regional Transportation Plan (RTP), which guides the region's transportation development over a 20-year period and covers all modes of transportation. The RTP is updated every 3 years to reflect changes in available funding, economic activity, and population and to incorporate findings from corridor studies and major infrastructure investments. The projects included in the RTP are also assessed as to their effect on air quality because the RTP is used in the SIP to ensure states are meeting federal conformity standards. If a project is included in the RTP, its effect on regional conformity goals has been accounted for. The current 2018 RTP was adopted by the SJCOG Board in June 2018. The City is responsible for coordination with regional transportation plans.

SJCOG has formed a SB 743 Technical Working Group to address shifting from LOS to VMT in local agency and SJCOG CEQA analysis, and adapting related SJCOG programs such as the RTP, if necessary. No draft guidance is available at this time.

The 2040 General Plan (City 2018a) guides the maintenance, design, and operation of transportation, including streets and highways, within the project area. The following goals and policies applicable to the Port and proposed project are provided for transportation:

- **Policy TR-1.1:** Ensure that roadways safely and efficiently accommodate all modes and users, including private, commercial, and transit vehicles, as well as bicycles and pedestrians and vehicles for disabled travelers.
  - Action TR-1.1A: Direct truck traffic to designated truck routes that facilitate efficient goods movement and minimize risk to areas with concentrations of sensitive receptors, such as schools, for example, by disallowing any new truck routes to pass directly on streets where schools are located, and vulnerable road users, such as pedestrians and bicyclists.
  - Action TR-1.1B: Maintain and periodically update a schedule for synchronizing traffic signals along arterial streets and freeway interchanges to facilitate safe and efficient movement of people and goods and to provide signal priority for transit vehicles at intersections.
  - Action TR-1.1C: Require roadways in new development areas to be designed with multiple points of access and to address barriers, including waterways and railroads, in order to maximize connectivity for all modes of transportation.
  - Action TR-1.1D: Update existing Precise Road Plans to reflect the 2040 General Plan, including changes in land use and LOS requirements, and a shift in priority from vehicular travel to travel by all modes through complete streets.
- **Policy TR-1.2:** Enhance the use and convenience of rail service for both passenger and freight movement.

- Action TR-1.2C: Provide grade separations at railroad crossings on arterial streets where feasible to ensure public safety and minimize traffic delay.
- **Policy TR-1.3:** Facilitate expanded port and airport operations, service, and development as travel and goods movement assets to the community and sources of employment growth.

As noted above, SB 743 requires moving from LOS to VMT as the metric to evaluate transportation network performance and land use and transportation planning decisions, with investments oriented toward reducing VMT. The 2040 General Plan (City 2018a) includes the following policies related to integrating SB 743 into future planning:

- **Policy TR-4.1:** Utilize LOS information to aid understanding of potential major increases to vehicle delay at key signalized intersections.
  - Action TR-4.1A: Strive for LOS D or better for both daily roadway segment and peak-hour intersection operations, except when doing so would conflict with other land use, environmental, or economic development priorities, and with the following additional exceptions:
    - In the Greater Downtown, strive for LOS E or better, but LOS F may be acceptable after consideration of physical or environmental constraints and other City goals and policies.
    - Roadway segments determined to be operating at deficient LOS by SJCOG in the Regional Congestion Management Program
    - Accept worse than adopted-standard LOS at intersections where widening the intersection would reduce bicycle and pedestrian safety and/or increase pedestrian crossing times such that they would create longer traffic delays due to signal timing.
  - Action TR-4.1B: Amend the City's Transportation Impact Analysis (TIA) Guidelines to reflect the updated LOS goals under Action TR-4.1.A and to refine the threshold at which a project needs to evaluate LOS impacts.
- **Policy TR-4.2:** Replace LOS with: 1) VMT per capita; and 2) impacts to non-automobile travel modes, as the metrics to analyze impacts related to land use proposals under CEQA, in accordance with SB 743.
  - Action TR-4.2A: To evaluate the effects of new development and determine mitigation measures and impact fees, require projects to evaluate per capita VMT and impacts to transit, bicycle, and pedestrian modes.
  - Action TR-4.2B: Amend the City's TIA Guidelines to include alternative travel metrics and screening criteria.

- **Policy TR-4.3:** Use the threshold recommended by OPR for determining whether VMT impacts associated with land uses are considered significant under State environmental analysis requirements.
  - Action TR-4.3A: Amend the City's TIA Guidelines to: 1) establish a threshold of 15% below baseline VMT per capita to determine a significant transportation impact under CEQA; and 2) identify screening criteria that will streamline certain types of development and/or development in certain areas by not requiring a VMT analysis.

Consistent with Policy TR-4.3, the City is updating its TIA Guidelines (expected to be finalized in 2023) based on guidance from the OPR, as documented in the OPR Technical Advisory (December 2018). The Draft TIA Guidelines established the following VMT thresholds for the most common land uses:

- **Residential:** 15% below the City-wide average for home-based VMT per resident
- **Office:** 15% below the City-wide average for home-based work VMT per employee
- **Retail and Other Land Uses:** To be established on a case-by-case basis, reflecting the City's commitment to achieving VMT reductions while also being sensitive to the characteristics of the project being evaluated. For a retail project, the threshold is no net increase in total VMT.

Per the 2018 CEQA Guidelines Update, CEQA analyses must consider the amount and distance of automobile travel attributable to a project. Other relevant considerations may include a project's effects on transit and non-motorized travel. Consistent with the 2018 CEQA Guidelines and SB 743, the City is updating its traffic guidelines. While LOS is no longer a CEQA threshold, the City is continuing to assess increases in traffic levels in addition to VMT to adequately plan and manage traffic congestion on the City's roadways and intersections. Accordingly, traffic impact analyses are conducted for projects generating 110 or more vehicle trips during the morning or evening peak hours.

The CPUC has legal regulatory authority over rail safety within California, including operations and grade crossings throughout the state. CPUC is the state agency with exclusive jurisdiction over rail crossings in California. CPUC engineers evaluate the safety of rail crossings and review proposed construction where roadways or pathways cross railroad or rail transit tracks.

3.3.17.3 Impact Evaluation

A: Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Less-than-Significant Impact. No transit services are provided to the Port or to the project site. The nearest transit service is the local 515 bus line stop at the Boggs Track Community Center, located approximately 1.3 miles from the project site. There are very few pedestrian and bicycle facilities within the Port. The project site does not propose any pedestrian or bicycle facilities on Forrestal

Village Road or Navy Drive. Therefore, there is no conflict with any roadway, bicycle, and pedestrian plans.

As discussed above, while the automobile delay is no longer considered an environmental impact as per the 2019 CEQA guidance, vehicle levels and queueing impacts are still relevant to CEQA impact analyses where a project has the potential to cause safety hazards or localized traffic delays requiring new signaling or infrastructure upgrades. The City's Draft Transportation Analysis Guidelines retain intersection analysis requirements for projects that generate more than 2,000 daily trips and may also require this information for projects that generate 110 to 2,000 daily trips based on a set of variables contained in the City's Draft TIA Guidelines. Specific to the proposed project, the City's TIA Guidelines require the preparation of a TIA for any project estimated to generate more than 110 new morning or afternoon peak-hour trips. Peak morning periods in the City are 7:00 a.m. to 9:00 a.m., and the peak afternoon periods are 4:00 p.m. to 6:00 p.m. Consistent with the City's TIA guidance, trip generation rates were determined to estimate the amount of vehicular traffic a project will add to the surrounding roadway system during construction and operations. As noted in Section 3.3.17.2, Caltrans also provides guidance for determining whether a project requires a traffic impact study.

Construction. Except for the initial movement of construction equipment to the site at the start of construction and eventual movement from the site at the end of construction, construction of the proposed project would not affect roads or other transportation corridors. Up to a total of 68 truck and employee trips per day are anticipated during the most intensive construction phase. Therefore, construction-related traffic would remain under the threshold of 110 trips new trips during peak hours, and a TIA would not be required.

Operations. As discussed in Section 2.3, it is expected that there would be approximately eight to ten commercial trailers entering and exiting the site daily. Two to three staff vehicles are expected to enter and exit the site daily. Therefore, operation-related traffic would remain under the threshold of 110 trips new trips during peak hours, and a TIA would not be required.

Because construction and operation-related traffic would remain under the threshold of 110 trips, impacts would be less-than-significant.

B: Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3(b)?

Less-than-Significant Impact. CEQA Guidelines Section 15064.3(b) describes specific considerations for evaluating a project's transportation impacts and notes that VMT is the most appropriate measure of transportation impacts consistent with SB 743.

As of July 1, 2020, the provisions of SB 743 Section 15064.3 became effective statewide. This legislation changed the CEQA requirements for assessing transportation impacts whereby delay and congestion is no longer considered an environmental impact. The new metric, VMT, correlates

directly with air quality and climate change impacts. VMT impacts require mitigation measures that reduce miles traveled per employee or resident populations. For this reason, OPR guidance focuses on automobile traffic and does not mention freight (commercial trucks). CEQA Section 15064.3 defines VMT as the amount and distance of automobile travel attributable to a project. The OPR Technical Advisory defines automobile as on-road passenger vehicles, specifically cars and light trucks. The OPR Technical Advisory does not provide specific guidance for industrial projects but focuses on VMT generated by project employees for commercial land uses. Accordingly, proposed project-generated truck trips do not need to be evaluated for transportation impacts. However, commercial truck trips and associated VMT are disclosed in the transportation section of this report to provide consistency with VMT used for analyzing other resource areas, notably air quality. Regarding employee trips, per the OPR Technical Advisory, "projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant transportation impact."

The transportation analysis follows the City's Draft Transportation Impact Analysis Guidelines dated September 2021, which are expected to be finalized in 2023. Consistent with OPR Technical Advisory, the City's Draft Transportation Impact Analysis Guidelines screen out projects that generate fewer than 110 trips per day and do not require analysis of VMT associated with project-generated commercial truck activity. For projects that do require a VMT assessment, The City's VMT analysis follows OPR guidance, including application of the following VMT thresholds for the most common land uses:

- **Residential:** 15% below the Citywide average for home-based VMT per resident
- **Office:** 15% below the Citywide average for home-based work VMT per employee
- **Retail and Other Land Uses:** To be established on a case-by-case basis, reflecting the City's commitment to achieving VMT reductions while also being sensitive to the characteristics of the project being evaluated. For a retail project, the threshold is no net increase in total VMT.

VMT impacts for a proposed project would be less-than-significant if any one of the identified screening criteria outlined below are met:

1. Small Projects: The proposed project generates fewer than 110 vehicle trips per day.
2. Low-VMT Areas: The proposed project meets map-based screening criteria by being located in an area that exhibits below threshold VMT, or 15% or more below the regional average.
3. Major Transit Stop: The proposed project is located in a Transit Priority Area or within 0.5 mile of a major transit stop[1] or high-quality transit corridor[2] and satisfies all of the following:

[1] CEQA Guidelines Section 21064.3 defines a "major transit stop" as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during morning and afternoon peak commute times.
[2] CEQA Guidelines Section 21155(b) defines a "high quality transit corridor" as a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

a. Has a Floor Area Ratio of greater than 0.75
b. Does not include more parking for use by residents, customers, or employees than other typical nearby uses, or more than required by the City
c. Is consistent with the applicable Sustainable Communities Strategy (as determined by the lead agency)
d. Does not replace affordable residential units with a smaller number of moderate- or high-income residential units

4. Affordable Residential Development: The proposed project must be 100% affordable residential development in an infill location.

The proposed project meets the criteria of a small project listed above. As discussed in TRA-1, proposed project operations would generate approximately eight to ten commercial trailers daily with two to three staff vehicles expected to enter and exit the site and therefore is below the 110 trips a day threshold. Therefore, impacts would be less-than-significant.

C: Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less-than-Significant Impact After Mitigation. Although automobile delay is no longer considered an environmental impact in CEQA Section 15064.3 or a finding of significance in Appendix G of the 2019 CEQA guidance, vehicle levels and queueing impacts are still relevant to CEQA impact analyses where a project has the potential to cause safety hazards. In addition, traffic delay is still important to the City, so the Draft Transportation Impact Analysis Guidelines retain intersection analysis requirements for projects that generate more than 2,000 daily trips, and this information may also be required for projects that generate 110 to 2,000 daily trips based on a set of variables contained in the City's Draft Transportation Impact Analysis Guidelines.

The study area for this assessment includes the area immediately adjacent to the project site, along with roadways that provide primary access to the regional transportation network. The following seven signalized intersections were selected for evaluation in consultation with Port, City, and San Joaquin County staff:

- State Route 4 (SR-4)/Port of Stockton Expressway
- Navy Drive/Crosstown SR-4 (Ort J. Loftus Freeway)
- Washington Street/Navy Drive
- Washington Street/Fresno Avenue
- SR-4 (Charter Way)/Fresno Avenue
- SR-4 (Charter Way)/Interstate 5 (I-5) southbound ramps
- SR-4 (Charter Way)/I-5 northbound (NB) ramps

Vehicular access to the project site is provided via Forrestal Village Road. This roadway provides access from the project site to both West Washington Street and Navy Drive. While both West Washington Street and Navy Drive could be used to transport hydrogen fuel, implementation of HAZ-MM-1 would ensure that truck traffic would be limited to Navy Drive, which is a route designed and designated to accommodate commercial trucks carrying heavy loads. Therefore, the proposed project is consistent with overall uses at the Port, and operation of the proposed project would not result in substantial increased hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses. Transportation hazard impacts would be less than significant with implementation of HAZ-MM-1.

D: Would the project result in inadequate emergency access?

No Impact. All vehicular access to and from the project site would be provided from Navy Drive. While truck trips would increase as part of the proposed project, the trucks can be accommodated within the larger Port network, which is designed for Port and industrial operations. The Port has developed an emergency response plan to address emergency needs Port-wide and maintains its own Police Department, which is responsible for providing security protection of Port tenants on a 24-hour basis. Additionally, the closest fire stations to the project site are Station 6 at 1501 Picardy Drive (1.8 miles northeast of the proposed facility) and Station 2 at 110 West Sonora Street (2.6 miles east of the proposed facility; City 2018b). Because the proposed project is not expected to increase the need for emergency services or block any emergency access routes, the proposed project is expected to have no impact related to inadequate emergency access.

3.3.18 Tribal Cultural Resources

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
	i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	☐	☐	☒	☐
	ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in Public Resources Code Section 5024.1(c)? In applying the criteria set forth in Public Resources Code Section 5024.1(c), the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☒	☐

3.3.18.1 Affected Environment

The project site is in the traditional territory of the Yokuts Tribe and may also have been used or settled by Plains Miwok and Wintun peoples. Yokuts communities were organized into a number of tribes united by a common language (Golla 2007). They lived throughout the San Joaquin Valley and relied on the region's rich fishing and hunting resources (Kroeber 1976). Native American communities were severely impacted by European contact (Milliken 1995). However, Yokuts people who have endured are now members of several federally recognized tribes.

Two Native American tribes, the Buena Vista Rancheria of Me-Wuk Indians of California and the Wilton Rancheria Tribe, have requested consultation on CEQA documentation for projects at the Port under the CEQA Guidelines (commonly known as AB 52). The Port regularly consults with five other tribes: the North Valley Yokuts Tribe, the Tule River Indian Tribe, Muwekma Ohlone Indian Tribe of the SF Bay Area, the Confederated Villages of Lisjan, and the Wuksache Indian Tribe/Eshom Valley Band. The Port notified these seven tribes of the proposed project by email and letter on July 20, 2022, and will provide the Draft IS/MND to the tribes.

The Port requested a search of the Sacred Lands File from the NAHC on July 1, 2022. The NAHC responded on August 8, 2022, that the search was negative.

The Wilton Rancheria responded to the Port's letter on August 3, 2022, confirming that they would like to be kept informed about the project. On August 22, 2022, the Port provided Wilton Rancheria with the results of the Sacred Lands File search and of the CHRIS search described in Section 3.3.5.

No tribal cultural resources have been identified in the project site. Consultation will be ongoing.

3.3.18.2 Impact Analysis

Ai: Would the proposed project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Less-than-Significant Impact. There are no known sites, features, places, or cultural landscapes that are listed or eligible for listing in the California Register of Historical Resources or in a local register of historical resources in the project area. Previously unrecorded archaeological resources or human remains could potentially constitute tribal cultural resources. However, the potential to encounter archaeological resources is low, as described in Section 3.3.5. While the potential is low, native sediments may contain a previously unrecorded archaeological site or human remains that could be tribal cultural resources.

If archaeological materials that could be tribal cultural resources are encountered during construction, the proposed project would comply with state and federal requirements regarding identification, evaluation, and mitigation of impacts to significant archaeological sites, as well as consultation with tribes and agencies. This includes CEQA Guidelines Section 15064.5(f), which requires implementing "provisions for historical or unique archaeological resources accidentally discovered during construction." For these reasons, impacts would be considered less than significant.

Aii: Would the proposed project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in Public Resources Code Section 5024.1(c)? In applying the criteria set forth in Public Resources Code Section 5024.1(c), the lead agency shall consider the significance of the resource to a California Native American tribe.

Less-than-Significant Impact. There are no known sites, features, places, or cultural landscapes that have been determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in PRC 5024.1(c) in the project area. Previously unrecorded archaeological resources or human remains could potentially constitute tribal cultural resources. However, potential to encounter archaeological resources is low, as described in Section 3.3.5. While the potential is low, native sediments may contain a previously unrecorded archaeological site or human remains that could be tribal cultural resources. Therefore, because the proposed project includes disturbance of soil, if archaeological materials or remains are present in previously undisturbed native sediments, they could potentially be disturbed during construction.

If archaeological materials that could be tribal cultural resources are encountered during construction, the proposed project would comply with state and federal requirements regarding identification, evaluation, and mitigation of impacts to significant archaeological sites, as well as consultation with tribes and agencies. This includes CEQA Guidelines Section 15064.5(f), which requires implementing "provisions for historical or unique archaeological resources accidentally discovered during construction." For these reasons, impacts would be considered less than significant.

3.3.19 Utilities and Service Systems

Would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b.	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c.	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d.	Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☐	☒
e.	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

3.3.19.1 Affected Environment

3.3.19.1.1 Stormwater

On the East Complex, stormwater is conveyed via a system of drainage ditches and channels before being pumped into the stormwater retention basin immediately west of Navy Drive. Drainage ditches on the East Complex are generally open, with culverts beneath road crossings or other developments. During years when the retention basin reaches a high level, stormwater is pumped to the San Joaquin River (Port 2009). Stormwater falling in the area of the replacement rail bridge and adjoining levees drains directly to the San Joaquin River. Stormwater from the proposed project would be conveyed to the Port's existing stormwater drainage system.

3.3.19.1.2 Water Supply

Water service providers in the Stockton metropolitan area include the Stockton Municipal Utilities Department and the California Water Service (City 2018a). Approximately 16% of the City's water supply originates from groundwater wells, with the remaining water supply from treated surface

water supplied by the Stockton East Water District (Cal Water 2020). The Delta Water Supply Project was completed in 2012 to provide the City with a reliable water supply to meet both current and future water needs (City 2022b). California Water Service provides domestic water in the area. Non-potable water obtained directly from the San Joaquin River is used for most non-domestic Port development needs.

3.3.19.1.3 Wastewater Infrastructure

The Stockton Regional Wastewater Control Facility (located just off SR 4 on both sides of the San Joaquin River) provides secondary and tertiary treatment of municipal wastewater throughout the City. The Stockton Regional Wastewater Control Facility is a tertiary treatment facility that handles 55 million gallons per day (gpd). The facility serves the City and outlying San Joaquin County areas and currently processes an average of 33 million gpd (City 2021c).

3.3.19.1.4 Solid Waste

Solid waste within the City and Port is transported and disposed of primarily in the privately owned Forward Landfill and the San Joaquin County-owned Foothill Sanitary Landfill and North County Landfill & Recycling Center. The City's *Envision Stockton 2040 General Plan Update and Utility Master Plan Supplements Draft EIR* indicates that all three landfills have sufficient capacity to serve the region's needs (City 2018c). The most recently reported remaining capacity and acceptable waste types for these facilities are listed in Table 17.

Table 17
Project Vicinity Landfills

Landfill	Remaining Capacity	Waste Type
Forward Landfill	Unit 1: 24,720,669 cy (reported January 31, 2020)	Agricultural, asbestos (including friable), ash, construction/demolition, contaminated soil, green materials, industrial, mixed municipal, sludge (biosolids), tires, shreds
Foothill Sanitary Landfill	125,000,000 cy (reported June 10, 2010)	Agricultural, construction/demolition, dead animals, industrial, mixed municipal, tires, wood waste
North County Landfill & Recycling Center	35,400,000 cy (reported December 31, 2009)	Construction/demolition, industrial, mixed municipal, tires, other designated, agricultural, metals, wood waste

Sources: CalRecycle SWIS 2022a, 2022b, 2022c

3.3.19.1.5 Utilities

PG&E services the area of the proposed project with overhead electrical distribution lines and underground gas transmission lines.

3.3.19.2 Impact Evaluation

A: Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less-than-Significant Impact. The proposed project would be adequately served by existing utility facilities available to Port tenants. New water service would be connected from the main on Navy Drive, and connections for electricity, sanitary sewer, and natural gas would be similarly connected from existing Port service to the proposed facility. As listed in Table 5, the proposed project's utility needs would be moderate, and the proposed project would not require new generation or handling facilities for any of these utilities. Therefore, the impact would be less than significant.

B: Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

Less-than-Significant Impact. The proposed facility would require water for domestic services, water used in the hydrogen process system, and water for seven new fire hydrants (two on-site and five along the existing access road and rail spur). As listed in Table 5, these water needs would be approximately 1,246 to 3,340 gpd of water for sanitary sewer use and 2,442 to 5,874 gpd of potable water. This water use can be accommodated by existing water resources and would not require new or expanded entitlements. Therefore, the proposed project would have a less-than-significant impact pertaining to water supply entitlements.

C: Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less-than-Significant Impact. The proposed facility would produce wastewater from domestic services use and from water used in the hydrogen process system. This wastewater would be within the capacity of the existing Port system. The proposed project would not require additional wastewater service or impact the Port or the Stockton Regional Wastewater Control Facility's ability to handle existing wastewater needs in combination with the proposed project and foreseeable future needs. Therefore, the proposed project would have a less-than-significant impact pertaining to wastewater treatment capacity.

D: Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

No Impact. The proposed project would generate minimal solid waste; soils excavated during site preparation would be recompacted for use on the site. The amount of solid waste generated by

operation of the proposed project would be negligible and limited to nonhazardous waste generated by personnel on site and through facility maintenance. The landfills in the area have adequate capacity to meet the region's need and are authorized to accept waste materials that may be generated during construction of the proposed project. Therefore, there would be no impact related to landfill capacities.

E: Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

No Impact. The proposed project would be constructed within the parameters of applicable federal, state, and local solid waste regulations. As described, area landfills are authorized to accept the types of waste potentially generated by proposed project construction and operation. Therefore, there would be no impact.

3.3.20 Wildfire

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b.	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c.	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d.	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

3.3.20.1 Affected Environment

According to the Fire Hazard Severity Zone Maps maintained by the California Department of Forestry and Fire Protection, the project area and other nearby communities within San Joaquin County are outside of zones that present moderate to very high fire hazard severity risk. Therefore, the project area and nearby communities are generally considered to have lower wildfire risk (CAL FIRE 2022a). The project and nearby communities are located in a local responsibility area (CAL FIRE 2022b). Existing fire response services are described in Section 3.3.15. As noted throughout, there are regional emergency response plans for the project area. In addition, during facility operation, BayoTech would prepare and keep on site an ICSS that would include constant personnel or technology-based monitoring of the hydrogen production and storage systems and appropriate systems for processing and storing hydrogen.

3.3.20.2 Impact Evaluation

A: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The proposed project would be located in a local responsibility area, not a state responsibility area, and would not be in or near lands classified as very high fire hazard severity zones (CAL FIRE 2022a). The proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. As discussed in

Section 3.3.17, there would be no impact on traffic that could affect emergency response. Therefore, there would be no impact.

B: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. The risk of wildfire is related to a variety of parameters, including fuel loading (vegetation), fire weather (winds, temperatures, humidity levels, and fuel moisture contents), and topography. For instance, steep slopes can contribute to fire hazard by intensifying the effects of wind and making fire suppression difficult (Estes et al. 2017). Fuels, such as grass, are highly flammable (Estes et al. 2017). The project site is located in an area that is industrialized, generally flat, and contains very limited vegetation, which is not considered to pose a significant risk of wildfire. The proposed project would be located in a local responsibility area, not a state responsibility area, and would not be in or near lands classified as very high fire hazard severity zones (CAL FIRE 2022b). Although the proposed project entails hydrogen production and usage of common industrial materials that may be flammable, BayoTech's ICSS includes plans and monitoring measures that address operational hazards, and adequate fire response services are in place to respond during an emergency. Therefore, there would be no impact.

C: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact. The proposed project would be located in a local responsibility area, not a state responsibility area, and would not be in or near lands classified as very high fire hazard severity zones (CAL FIRE 2022b). The proposed project would require connecting existing PG&E power lines to the proposed facility, but because the proposed project is not in or near state responsibility areas or very high fire severity zones, and because these lines already exist, the proposed project would have no impact.

D: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. The proposed project would not result in downstream flooding or landslides as a result of changes in runoff, post-fire slope instability, or drainage. Because the project site is essentially flat and located in an existing urbanized area of the City, downstream landslides would not occur;

therefore, neither people nor structures would be exposed to significant risks. Additionally, the proposed project would be located in a local responsibility area, not a state responsibility area, and would not be in or near lands classified as very high fire hazard severity zones (CAL FIRE 2022a). Therefore, there would be no impact.

3.3.21 Mandatory Findings of Significance

		Potentially Significant Impact	Less-Than-Significant Impact After Mitigation	Less-Than-Significant Impact	No Impact
a.	Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b.	Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c.	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

3.3.21.1 Impact Evaluation

A: Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less-than-Significant Impact After Mitigation. The potential impacts of the proposed project on fish, wildlife, and other biological resources are described in detail in Section 3.3.4. Habitat for wildlife at the project site is extremely limited, and there is no habitat suitable for special-status species. The proposed project entails very limited construction and relatively benign operations (i.e., production, storage, and delivery of hydrogen fuel) that would not affect wildlife habitat away from the project site. While unlikely, proposed project construction and operations could potentially significantly impact off-site waterbodies that may support wildlife without mitigation. Mitigation measures BIO-MM-1, BIO-MM-2, and BIO-MM-3, which include construction and operational measures to control spills and runoff, and either obtaining SJMSCP coverage or completing alternative nesting bird protection strategies if SJMSCP coverage is not obtained for the proposed project, would be

implemented to reduce potential impacts to waterbodies and habitats. With implementation of these mitigation measures, there would be less-than-significant impacts to biological resources.

The potential impacts of the proposed project on historical resources are described in detail in Section 3.3.5. The proposed project does not include any excavation or demolition of any structures, and impacts to historic or cultural resources would be less than significant.

B: Does the project have impacts that are individually limited but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less-than-Significant Impact. The proposed project would result in minimal less-than-significant impacts, some of which require mitigation. The proposed project's operations were specifically designed to avoid significant air quality, GHG, noise, and transportation impacts. Therefore, the proposed project would result in less-than-significant impacts as related to cumulative impacts.

C: Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?

Less-than-Significant Impact. As noted throughout, the proposed project would result in minimal less-than-significant construction and operational impacts. A purpose of the proposed project is to distribute hydrogen fuel throughout the region for use as a renewable fuel, which constitutes an overall long-term benefit to communities living in the region as compared to without project conditions. Therefore, the proposed project would result in less-than-significant impacts associated with environmental effects that could adversely affect human beings.

4 References

Anchor QEA, 2022. Survey conducted by Anchor QEA botanist and biologist Julia King on August 25, 2022.

BayoTech (BayoTech, Inc.), 2022. *Hydrogen Generation System.* Accessed June 28, 2022. Available at: https://go.bayotech.us/hubfs/BayoTech_ProductSheet_HydrogenGeneration.pdf.

BLM (Bureau of Land Management), 2007. *Potential Fossil Yield Classification*. BLM Instruction Memorandum No. 2008-009.

BLM, 2008. *Assessment and Mitigation of Potential Impacts to Paleontological Resources*. BLM Instruction Memorandum No. 2009-011.

BLS (Bureau of Labor Statistics), 2022. *The Employment Situation—July 2022*. Accessed August 17, 2022. Available at: https://www.bls.gov/news.release/pdf/empsit.pdf.

CAL FIRE (California Department of Forestry and Fire Protection), 2022a. Fire Hazard Severity Zone Viewer. Accessed August 2, 2022. Available at: https://egis.fire.ca.gov/FHSZ/.

CAL FIRE, 2022b. State Responsibility Areas for Fire Protection. Last modified June 2, 2022; accessed August 2, 2022. Available at: https://www.arcgis.com/home/item.html?id=5ac1dae3cb2544629a845d9a19e83991.

Cal Water (California Water Service), 2020. *2020 Urban Water Management Plan, Stockton District*. June 2021. Accessed August 3, 2022. Available at: https://www.calwater.com/docs/uwmp2020/STK_2020_UWMP_FINAL.pdf.

California Department of Conservation, 2012. Updated Mineral Land Classification Map for Portland Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region San Joaquin and Stanislaus Counties, California. Special Report 199-Plate 1.

CalRecycle SWIS (California Department of Resources Recycling and Recovery Solid Waste Information System), 2022a. SWIS Facility/Site Activity Details: Forward Landfill, Inc. (39-AA-0015). Accessed August 3, 2022. Available at: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1434?siteID=3106.

CalRecycle SWIS, 2022b. SWIS Facility/Site Activity Details: Foothill Sanitary Landfill (39-AA-0004). Accessed August 3, 2022. Available at: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1424?siteID=3097.

CalRecycle SWIS, 2022c. SWIS Facility/Site Activity Details: North County Landfill & Recycling Center (39-AA-0022). Accessed August 3, 2022. Available at: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1448?siteID=3113.

Caltrans (California Department of Transportation), 2002. *Guide for the Preparation of Traffic Impact Studies*. December 2002.

Caltrans, 2020. Transportation and Construction Vibration Guidance Manual. Accessed August 17, 2022. Available at: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf.

CARB (California Air Resources Board), 2017. *The 2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target.* January 20, 2017. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp_pp_final.pdf.

CARB, 2022. *2022 Scoping Plan for Achieving Carbon Neutrality*. November 16, 2022. Accessed January 6, 2023. Available at: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp_1.pdf.

CARB, 2023a. Inhalable Particulate Matter and Health (PM2.5 and PM10). Accessed January 6, 2023. Available at: https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health.

CARB, 2023b. Low Carbon Fuel Standard. Accessed January 6, 2023. Available at: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/about.

CAPCOA (California Air Pollution Control Officers Association), 2022. California Emissions Estimator Model (CalEEMod). Available at: https://www.caleemod.com/.

CCCC (California Climate Change Center), 2018. *California's Changing Climate 2018: A Summary of Key Findings from California's Fourth Climate Change Assessment.* Available at: https://www.climateassessment.ca.gov/state/overview/.

CDFW (California Department of Fish and Wildlife California Native Diversity Database), 2022. Rarefind 5 Program Search of Stockton West Terminous, Lodi South, Waterloo, Stockton East, Manteca, Lathrop, Union Island, and Holt quadrangles.

CEC (California Energy Commission), 2020a. 2020 Integrated Energy Policy Report Update – Volume I Blue Skies, Clean Transportation. Available at: https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update

CEC, 2020b. Electricity Consumption by County. Accessed August 17, 2022. Available at: https://ecdms.energy.ca.gov/elecbycounty.aspx.

CEC, 2020c. Gas Consumption by County. Accessed August 29, 2022. Available at: http://www.ecdms.energy.ca.gov/gasbycounty.aspx.

CEDD (California Employment Development Department), 2022a. Cities and Census Designated Places by Individual County. Accessed August 17, 2022. Available at: https://www.labormarketinfo.edd.ca.gov/data/labor-force-and-unemployment-for-cities-and-census-areas.html.

CEDD, 2022b. Monthly Labor Force Data for Local Workforce Development Areas. Accessed August 17, 2022. Available at https://www.labormarketinfo.edd.ca.gov/file/lfmonth/countyur-400c.pdf.

CGS (California Department of Conservation, California Geological Survey), 2016. Earthquake Shaking Potential for California. Map Sheet 48.

CGS (California Geological Survey), 2019. EQ Zapp: California Earthquake Hazards Zone Application. Accessed May 26, 2021. Available at: https://maps.conservation.ca.gov/cgs/EQZApp/app/.

CGS, 2021. EQ Zapp: California Earthquake Hazards Zone Application. Stockton West. Updated September 23, 2021; accessed August 5, 2022. Available at: https://maps.conservation.ca.gov/cgs/EQZApp/app/.

Chartkoff, J.L., and K.K. Chartkoff, 1984. *The Archaeology of California*. Stanford, California: Stanford University Press. 1984.

City (City of Stockton), 2007. *Stockton General Plan 2035 Background Report*. December 2007. Available at: http://www.stocktongov.com/files/FinalBackgroundReport.pdf.

City, 2014. *City of Stockton Climate Action Plan*. August 2014. Accessed March 23, 2021. Available at: http://www.stocktonca.gov/files/Climate_Action_Plan_August_2014.pdf.

City, 2015. *City of Stockton General Plan Baseline Conditions*. August 2015.

City, 2018a. *Envision Stockton 2040 General Plan*. Adopted December 4, 2018. Accessed June 28, 2022. Available at: http://www.stocktongov.com/files/Adopted_Plan.pdf.

City, 2018b. "Neighborhood Fire Stations." Last modified November 5, 2018; accessed August 1, 2022. Available at: http://www.stocktongov.com/government/departments/fire/neighb.html.

City, 2018c. *Envision Stockton 2040 General Plan Update and Utility Master Plan Supplements Draft EIR*. Public Review. June 2018. Accessed August 3, 2022. Available at: http://www.stocktongov.com/files/EnvisionStockton2040GP_DEIR.pdf.

City, 2021a. "Existing Plans." Last modified April 20, 2021; accessed August 17, 2022. Available at: https://www.stocktonca.gov/government/departments/manager/sustainability/existingPlans.html.

City, 2021b. "Interactive Zoning Map." City of Stockton Zoning Maps and Information. Last modified April 22, 2021; accessed August 3, 2022. Available at: https://www.stocktonca.gov/government/departments/communityDevelop/cdPlanCanMap.html.

City, 2021c. "City of Stockton Municipal Utility Services – Wastewater (Sewer)." Last modified February 9, 2021; accessed August 3, 2022. Available at: http://www.stocktongov.com/government/departments/municipalUtilities/utilSewer.html.

City, 2022a. "Stockton Police Department Personnel and Vehicle Information." Accessed August 1, 2022. Available at: http://ww1.stocktonca.gov/Departments/Police/About-the-Department/Department-Information.

City, 2022b. "City of Stockton Municipal Utility Services – Water." Last modified May 10, 2022; accessed August 3, 2022. Available at: http://www.stocktongov.com/government/departments/municipalUtilities/utilWater.html.

CMM (California Military Museum), 2016. "Historic California Posts, Camps, Stations and Airfields: Stockton Ordnance Depot." Accessed December 2020. Available at: http://www.militarymuseum.org/StocktonOrdDepot.html.

County, 2019. "Natural Hazard Disclosure Information." Updated April 5, 2019; accessed August 5, 2022. Available at: https://www.sjmap.org/nhd/.

DTSC (Department of Toxic Substances Control), 2022. EnviroStor database search for project site. Accessed August 4, 2022. Available at: https://www.envirostor.dtsc.ca.gov/public/.

Estes, B.L., E.E. Knapp, C.N. Skinner, J.D. Miller, and H.K. Preisler, 2017. "Factors Influencing Fire Severity Under Moderate Burning Conditions in the Klamath Mountains, Northern California, USA." *Ecosphere* 8(5):e01794. Available at: https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecs2.1794.

Fagan, B., 2003. *Before California: An Archaeologist Looks at our Earliest Inhabitants*. Lanham, Maryland: Rowman and Littlefield Publishers, Inc.

FEMA (Federal Emergency Management Agency), 2009. Flood Insurance Rate Map San Joaquin County, California and Incorporated Areas, Panel 455 of 950. Last modified October 19, 2009.

FHWA (Federal Highway Administration), 2006a. *Construction Noise Handbook*. Available at: http://www.fhwa.dot.gov/environment/noise/construction_noise/handbook/.

FHWA, 2006b. *FHWA Roadway Construction Noise Model User's Guide*. FHWA-HEP-05-054. DOT-VNTSC-FHWA-05-01. January 2006. Available at: https://www.fhwa.dot.gov/Environment/noise/construction_noise/rcnm/rcnm.pdf.

Field, E.H., and 2014 Working Group on California Earthquake Probabilities, 2015. UCERF3: A new earthquake forecast for California's complex fault system: U.S. Geological Survey 2015–3009. Available at: https://dx.doi.org/10.3133/fs20153009.

Garone, P., 2011. *The Fall and Rise of the Wetlands of California's Great Central Valley*. Berkeley and Los Angeles: University of California Press.

Gilani, R.H., and D.L. Sanchez, 2020. *Introduction to the Hydrogen Market in California.* September 2020. Available at: https://bof.fire.ca.gov/media/10190/introduction-to-the-hydrogen-market-in-california-draft-for-comment_ada.pdf.

Golla, V., 2007. "Linguistic Prehistory." *California Prehistory: Colonization, Culture, and Complexity*. Editors, T.L. Jones and K.A. Klar. Plymouth, United Kingdom: AltaMira Press.

IPCC (Intergovernmental Panel on Climate Change), 2021. AR6 Climate Change 2021: The Physical Science Basis. Sixth Assessment Report. Accessed October 13, 2021. Available at: https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_Full_Report.pdf.

Kleinfelder, 2014. *Foundation and Roadway Recommendations Report.* Proposed Replacement Bridge, Navy Drive over San Joaquin River. Prepared for the Port of Stockton. July 11, 2014.

Kleinfelder, 2019. *Preliminary Geotechnical Investigation Report*. Lehigh Hanson Cement Receiving and Distribution Terminal Proposed New Cement Storage Dome and Tank. Prepared for the Port of Stockton. March 22, 2019.

Kroeber, A.L., 1976. *Handbook of the Indians of California*. New York: Dover Publications.

Palmer, I., 2022. "Headwinds and Tailwinds Clash in Derailed New Mexico Hydrogen Bill." *Forbes*. February 10, 2022. Accessed June 28, 2022. Available at: https://www.forbes.com/sites/ianpalmer/2022/02/10/headwinds-and-tailwinds-clash-in-derailed-new-mexico-hydrogen-bill/?sh=12bc83305444.

Milliken, R., 1995. *A Time of Little Choice. The Disintegration of Tribal Culture in the San Francisco Bay Area 1769-1810*. Menlo Park, California: Ballena Press.

Milliken, R., R.T. Fitzgerald, M.G. Hykema, R. Groz, T. Origer, D.G. Bieling, A. Levental, R.S. Wiberg, A. Gottsfield, D. Gillette, V. Bellifemine, E. Strother, R. Cartier, and D.A. Fredrickson, 2007. "Punctuated culture change in the San Francisco Bay area." *California Prehistory: Colonization, Culture, and Complexity*. Editors, T.L. Jones and K.A. Klar. Plymouth, United Kingdom: AltaMira Press.

Moratto, M.J., 1984. *California Archaeology*. Orlando, Florida: Academic Press.

NRCS (U.S. Department of Agriculture, Natural Resources Conservation Service), 2021. Web Soil Survey search of project area. Modified September 9, 2021; accessed August 5, 2022. Available at: https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

OPR (Governor's Office of Planning and Research), 2017. *State of California General Plan Guidelines*. Available at: http://opr.ca.gov/planning/general-plan/guidelines.html.

OPR, 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018. Accessed September 30, 2020. Available at: http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf.

OPR, 2023. *CEQA & Climate Change*. Accessed January 8, 2023. Available at: https://opr.ca.gov/ceqa/ceqa-climate-change.html.

PG&E, 2022. Company Profile. Accessed October 26, 2022. Available at: https://www.pge.com/en_US/about-pge/company-information/profile/profile.page

Port (Port of Stockton), 2004. *Port of Stockton West Complex Development Plan Final Environmental Impact Report*. May 2004.

Port, 2009. *Port of Stockton Storm Water Development Standards Plan*. June 1, 2009.

Port, 2016. *Renewable Portfolio Standard Procurement Plan 2016 Update*. August 11, 2016.

Port, 2020. *2020 Energy Efficiency Program Offering Procedures Manual*. Accessed August 2, 2022. Available at: https://www.portofstockton.com/wp-content/uploads/2020/02/Energy-Efficiency-Program-Manual.pdf.

Port, 2022a. "Air Quality." Last updated March 3, 2022; accessed August 2, 2022. Available at: https://www.portofstockton.com/air-quality/.

Port, 2022b. *Port of Stockton General Tariff No. 1, Naming Rates, Rules and Regulations at Port of Stockton.* Effective July 1, 2022. Accessed August 4, 2022. Available at: https://www.portofstockton.com/wp-content/uploads/2022/06/General-Tariff-No.-1-2022-2023.pdf.

Port, 2022c. "Port Police Department." Last modified March 31, 2022; accessed August 1, 2022. Available at: https://www.portofstockton.com/port-police/.

San Joaquin County, 2000. San Joaquin County Multispecies Habitat Conservation and Open Space Plan. November 14, 2000. Available at: https://ca-sjcog2.civicplus.com/DocumentCenter/View/5/Habitat-Planpdf?bidId=.

San Joaquin County, 2016. *San Joaquin County General Plan: Policy Document.* Accessed October 13, 2021. Available at: https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf

SCAQMD (South Coast Air Quality Management District), 2008. *Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold*. October 2008. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf.

SEG (Salem Engineering Group), 2018. *Geotechnical Engineering Investment, Proposed Stockton Phase B Expansion, Stockton, California*. Report on file at the Port of Stockton, Stockton, California.

SFEI-ASC (San Francisco Estuary Institute and the Aquatic Science Center), 2018. *Sacramento-San Joaquin Delta Historical Ecology Study*. Accessed March 18, 2021. Available at: https://www.sfei.org/DeltaHEStudy.

Shapiro, W., and L. Shapiro, 1997. *An Archaeological Assessment within Reclamation District 404, San Joaquin County, California, Part of the Cultural Resources Inventory and Evaluation for U.S. Army Corps of Engineers, Sacramento District, PL 84-99 Levee Rehabilitation*. Report on file at the California Historic Resources Information Center, Stanislaus, California.

SJCOES (San Joaquin County Office of Emergency Services), 2008. *Hazardous Materials Area Plan*. November 2008.

SJCOES, 2009. *Hazardous Materials Area Plan, Appendix 5 – Non-Routine Emergency Response Plan*. October 2009.

SJVAPCD (San Joaquin Valley Air Pollution Control District), 2009a. *Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects Under CEQA.* December 17, 2009.

Available at: https://www.valleyair.org/Programs/CCAP/12-17-09/3%20CCAP%20-%20FINAL%20LU%20Guidance%20-%20Dec%2017%202009.pdf.

SJVAPCD, 2009b. *District Policy: Addressing GHG Emission Impacts for Stationary Source Projects Under CEQA When Serving as the Lead Agency*. December 17, 2009. Available at: https://www.valleyair.org/Programs/CCAP/12-17-09/2%20CCAP%20-%20FINAL%20District%20Policy%20CEQA%20GHG%20-%20Dec%2017%202009.pdf.

SJVAPCD, 2015a. *Air Quality Thresholds of Significance – Criteria Pollutants.* March 19, 2015. Available at: http://www.valleyair.org/transportation/ceqa_idx.htm.

SJVAPCD, 2015b. *Guidance for Assessing and Mitigating Air Quality Impacts.* February 19, 2015. Available at: http://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF.

Stockton Port District, 2012. *Targa Stockton Terminal Project Tiered Initial Study and Proposed Mitigated Negative Declaration*. February 2012.

Stockton Port District, 2013. *Endicott Biofuel Production Facility Project Initial Study and Proposed Mitigated Negative Declaration*. November 2013.

SUSD (Stockton Unified School District), 2019. *Stockton Unified School District Annual Report 2018–2019*. Accessed March 23, 2021. Available at: https://www.stocktonusd.net/cms/lib/CA01902791/Centricity/Domain/160/2018-19%20Annual%20Report.pdf.

SWRCB, 2022. GeoTracker database search for the project site. Accessed August 4, 2022. Available at: https://geotracker.waterboards.ca.gov/.

Uribe & Associates, 1996. *Historic and Archeological Resources Protection Plan for the Naval Communication Station Stockton, California*. Report on file at the California Historic Resources Information Center, Stanislaus, California.

URS Corporation, 2008a. *Technical Report, Final: Cultural Resources Survey Report for the Urban Levee Project.* Report on file at the California Historic Resources Information Center, Stanislaus, California.

URS Corporation, 2008b. *Technical Report, Final: Cultural Resources Baseline Literature Review for the Urban Levee Project.* Report on file at the California Historic Resources Information Center, Stanislaus, California.

USACE (U.S. Army Corps of Engineers), 1980. *Fourteenmile Slough and Smith Levee Intensive Cultural Resources Survey, San Joaquin County*. Report on file at the California Historic Resources Information Center, Stanislaus, California.

USEPA (U.S. Environmental Protection Agency), 2021. Search for Superfund Sites Where You Live search for the project area. Last updated September 15, 2021; accessed August 4, 2022. Available at: https://www.epa.gov/superfund/search-superfund-sites-where-you-live.

USEPA, 2022. RCRAInfo search for the project area. Last updated March 8, 2022; accessed August 4, 2022. Available at: https://enviro.epa.gov/facts/rcrainfo/search.html.

USFWS (U.S. Fish and Wildlife Service), 2022. National Wetlands Inventory. Available at: https://www.fws.gov/program/national-wetlands-inventory.

USGCRP (U.S. Global Change Research Program), 2014. National Climate Assessment: Climate Change Impacts in the United States. Available at: https://nca2014.globalchange.gov/report.

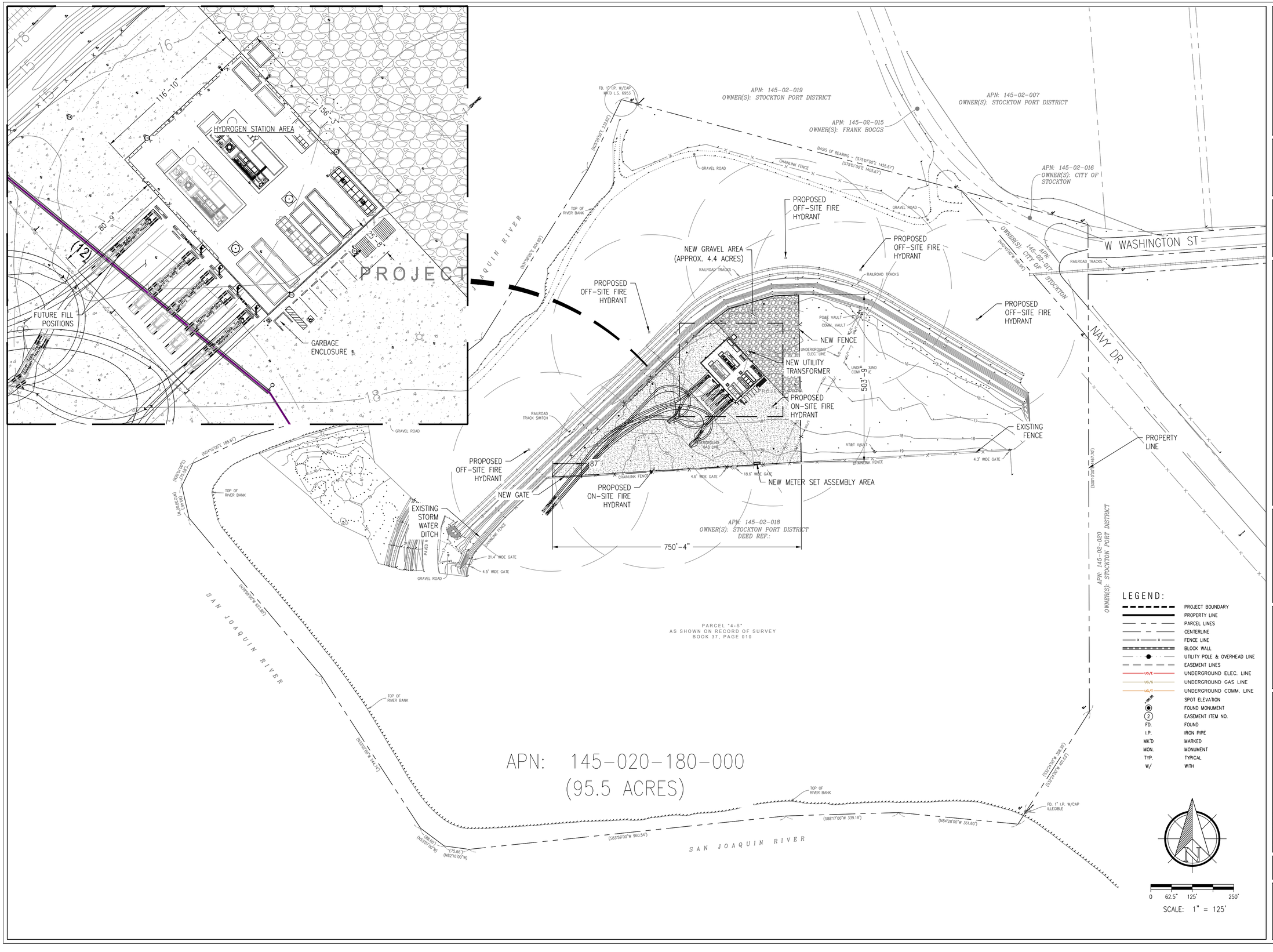
USGS (U.S. Geological Survey), 2008. Earthquake Hazards Program 2008 National Seismic Hazard Maps - Source Parameters search for the project site. Accessed August 5, 2022. Available at: https://earthquake.usgs.gov/cfusion/hazfaults_2008_search.

Wagner, D.L., C.W. Jennings, T.L. Bedrossian, and B.L. Bortungo, 1981. Geologic Map of the Sacramento Quadrangle, Scale 1:250,000. Sacramento, California: Department of Conservation, Division of Mines and Geology.

Wood, R.C., 1973. "The Rise of Stockton." *San Joaquin Historian* 9(1):1-6.

Appendix A
Site Plans

NOT FOR CONSTRUCTION



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OPAL FUELS

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STOCKTON, CA
95206

HYDROGEN FUELING FACILITY

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SITE PLAN

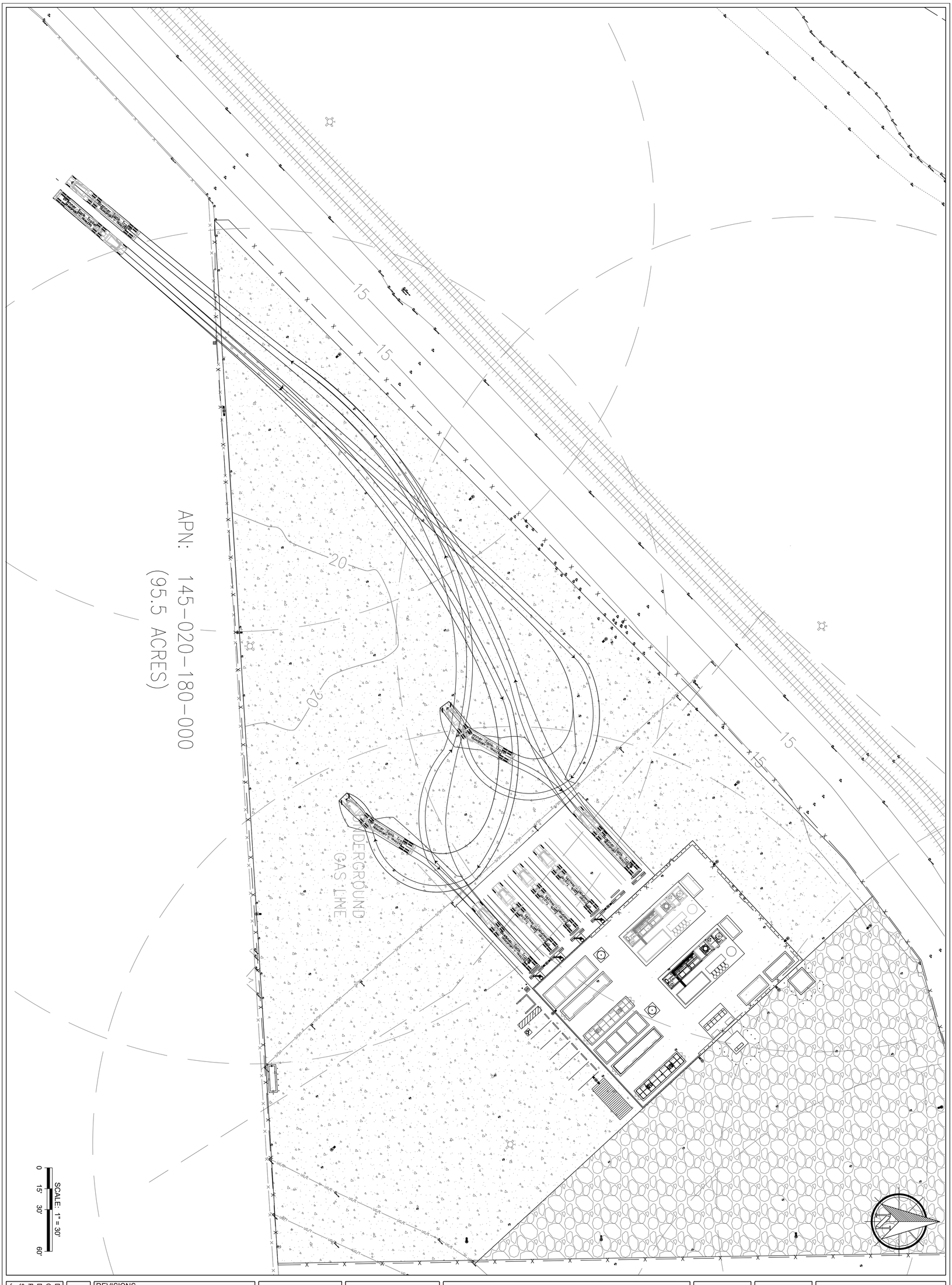
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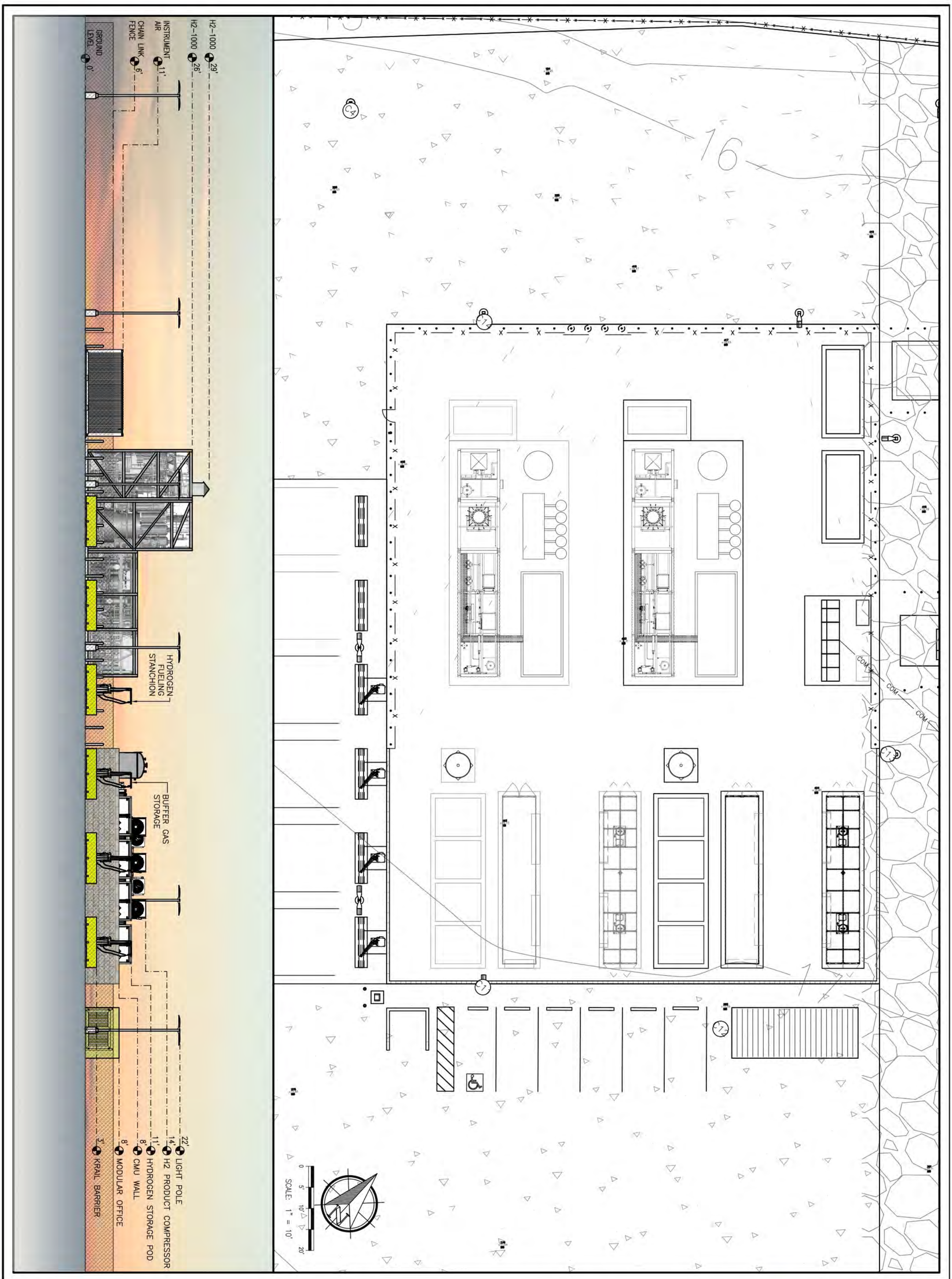
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Appendix B
Air Quality Results and Assumptions

AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT TECHNICAL REPORT

BB0004 BAYOTECH HYDROGEN FUELING FACILITY
3034 NAVY DRIVE
STOCKTON, CALIFORNIA 95203

EnSafe Project Number
0888830815/003

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APPENDICES

Appendix A Emission Calculations and CalEEMod Model Output Files
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Appendix C Health Risk Assessment Files

ACRONYMS

AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
BAU	Business as usual
BPS	Best Performance Standard
CAP	Criteria Air Pollutants
CARB	California Air Resources Board
CARB Handbook	California Air Resources Board *Air Quality and Land Use Handbook: A Community Health Perspective*
CCR	California Code Regulations
CEQA	California Environmental Quality Act
CH_4	methane
CI	Carbon Intensity
CO_2	carbon dioxide
CO	carbon monoxide
CY	Cubic yard
DPM	diesel particulate matter
EMFAC2021	California Emissions Factor Model, Version 2021
U.S. EPA	United States Environmental Protection Agency
GAMAQI	Guide for Assessing and Mitigating Air Quality Impacts
GHG	greenhouse gas
H_2	hydrogen
H_{2O}	water vapor
HARP	Hotspots Analysis and Reporting Program
HI	Hazard Index
HRA	Health Risk Assessment
Kg/day	kilograms per day
LCA	Life Cycle Analysis
LOS	Level of service
MEI	Maximum Exposed Individual
MICR	Maximum Individual Cancer Risk
MTCO2e	metric tons in carbon dioxide equivalent
NOx	oxides of nitrogen
OEHHA	Office of Environmental Health Hazard Assessment
PCE	passenger car equivalent
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PPM	parts per million
PSA	pressure swing adsorption
ROG	reactive organic gas
SCR	selective catalytic reduction

SJVAPCD	San Joaquin Valley Air Pollution Control District
SMR	Steam Methane Reformer
State	State of California
TAC	toxic air contaminant

EXECUTIVE SUMMARY

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impact associated with implementation of the proposed BayoTech Hydrogen Fueling Facility Project (project). This assessment utilizes the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq).

BayoTech, Inc. proposes the installation of the hydrogen production and fueling facility on a 5-acre site located in the Port of Stockton. The proposed project will utilize BayoTech's natural gas-to-hydrogen system to produce hydrogen gas from pipeline natural gas supplies with the target production of 2,000 kilograms of gaseous hydrogen per day. The project site is located within the San Joaquin Valley Air Basin and is under the jurisdiction of San Joaquin Valley Air Pollution Control District (SJVAPCD.) The SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts was followed as applicable to the project.

Air Quality and Greenhouse Gas Emission Analysis

Construction and operational criteria air pollutant and GHG emissions were estimated using the California Emissions Estimator Model Version 2022.1 along with emission factors from the California Air Resources Board EMFAC2021 and OFFROAD2021, and the U.S. Environmental Protection Agency AP-42 Compilation of Air Emissions Factors. The potential for the project to result in a cumulatively considerable impact, per the SJVAPCD guidance and thresholds, is based on the project's impact compared to the SJVAPCD significance criteria. The annual construction emissions would not exceed the SJVAPCD significance thresholds for any of the criteria pollutions. The project's maximum daily construction and operational emissions would be less than the SJVAPCD localized thresholds for all criteria pollutants. Therefore, the project construction and operational impacts would be less than significant for air quality.

Estimated annual project-generated operational emissions, plus amortized project construction GHG emissions, would be approximately 12,333.24 metric tons of carbon dioxide equivalent ($MTCO_2e$ per year, which exceeds the 10,000-MTCO2e per year threshold. The use of renewable natural gas fuel is proposed as feasible mitigation measure to reduce the GHG impacts to less than significant. Development of the project site would be consistent with the County's General Plan, support the San Joaquin Council of Governments Regional Transportation Plan/Sustainable Communities Strategy, and demonstrate consistency with the Scoping Plan, which all promote economic growth while achieving greater energy efficiency. The project would be consistent with San Joaquin Council of Government's 2018 Regional Transportation Plan/Sustainable Communities Strategy, Senate Bill 32, and Executive Order S-3-05. The project would not conflict with any plans adopted with the

purpose of reducing GHG emissions; therefore, the project's impacts with respect to GHG emissions would be less than significant.

Health Risk Assessment

Project construction activities would produce Diesel Particulate Matter due to combustion equipment and haul truck trips. A short period of exposure (3 — 4 months) and minimal particulate emissions onsite, and toxic air contaminants (TACs) generated by the project is not anticipated to result in concentrations causing significant health risks. In addition, diesel equipment would also be subject to California Air Resources Board's Airborne Toxic Control Measures for in use off-road diesel fleets, which would minimize Diesel Particulate Matter emissions. Furthermore, the nearest residential receptor is located over 4,600 feet from the project site. Operation of the project would result in TAC emissions from operation of the hydrogen production and fueling facility, truck trips, and truck idling. The project operation would result in MICR, and chronic Hazard Index less than the applicable SJVAPCD significance thresholds. Thus, health risk impacts associated with the project would be less than significant.

Other Emissions (Odors) Analysis

The analysis of the project's potential to result in other emissions is focused on potential odor impacts. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Impacts associated with odors during construction would be less than significant. The project would not include land-use types that would generate odors during operation. Therefore, project construction and operations would result in odor impacts that are less than significant.

1.0 INTRODUCTION

BayoTech, Inc. (BayoTech) is a full-service localized hydrogen (H_2) supplier. The project applicant, BayoTech, proposes to install two highly-efficient H2-1000H_2 generation systems to produce H_2 fuel from natural gas. The proposed project would include the installation of two steam CH_4 reformers, H_2 pumping equipment, and a central dispensing system, which will produce, store, and distribute gaseous H_2. Delivery trailers will be used to transport the gaseous H_2 produced onsite to H_2 refueling stations in the Northern California region. The proposed project site will be located at 3034 Navy Drive Road, Stockton, California (Site). Figure 1 presents the Site Location Map.

The proposed project will utilize BayoTech's natural gas-to-hydrogen system to produce H_2 from pipeline natural gas supplies from the Pacific Gas and Electric Company. This system will be nominally capable of producing 1,000 kg/day of SAE J2719-quality H_2 gas per unit. The facility will be comprised of five prepackaged modules: a power/control and water treatment module, process module, two furnace/steam methane reformer (SMR) modules with stack/steam drums, pressure swing adsorption (PSA) skid, and H_2 storage tanks. The H_2-1000 H_2 generation system will be designed to deliver product H_2. The total energy input, which is based on the higher heating value of the fuel to be burned, is estimated to be approximately 4,000,000 British Thermal Units (BTUs) per hour. Figure 2 presents the Equipment Location Map.

BayoTech has retained EnSafe Inc. to prepare this Air Quality, Greenhouse Gas, and HRA Technical Report (Technical Report). This report provides supporting documentation for the air quality and GHG sections of the CEQA Initial Study/Mitigated Negative Declaration Report. The Port of Stockton (Port) is the lead agency responsible for project approval. Under the Port requirements, EnSafe evaluated the air quality, GHG, and HRA associated with the proposed project in accordance with the current SJVAPCD CEQA guidelines, which were updated in March 2015.[1]

This Technical Report evaluates CAP emissions, GHG emissions, and health effects of TACs emitted during construction and operation of the project.

1.1 Equipment Location

The equipment will be located more than 1,000 feet from a school, as shown on Figure 3. The outer boundary of the Washington Elementary School property is located approximately 7,200 feet from the equipment. Therefore, the public notification requirement of California Health and

[1] San Joaquin Valley Air Pollution Control District Air Quality Significance Thresholds (Last revisions: March 2015).

Safety Code 42301.6, is not applicable to this project. The nearest residential units and commercial businesses (off-site workers) are located approximately 4,600 feet and 30 feet, respectively, from the new BayoTech H_2 fueling facility.

1.2 Facility Equipment Description

BayoTech proposes to install two H2-1000 units for the entire H_2 production and fueling facility, with five modules/skids. The five major modules for each H2-1000 unit would include:

1. Power/control and water treatment module
2. Process module
3. Two reformer modules
    a. Furnace/SMR module system (natural gas-fired) equipped with SCR device for nitrogen oxides (NOx) emissions control
    b. Stack/steam drum module
4. PSA unit
5. H_2 storage tanks

Figure 4, Process Flow Diagram, depicts a flow diagram of the process for production and dispensing H_2 fuel at the proposed project Site.

Equipment installation and H_2 production is proposed to be undertaken at the facility in two operational phases, with the ultimate target production of 2,000 kg/day of gaseous H_2.

The major equipment components are presented in Table 1.

Table 1
Major Equipment Components

SJVAPCD Permit Device ID	Equipment/Process	Quantity
—	Hydrogen Fueling Facility	
1	Bulk N2 Storage	1
2	Instrument Air	1
3	Feed Gas Booster	4
4	Inlet Buffer Gas Storage	1
—	H2-1000 Unit #1	
5	Feed stock compression/pumping and pretreatment	1
6	Water purification	1
7	Medium temperature shift conversion (WGS)	1
8	Furnace/Steam Methane Reformer	1
9	PSA Surge Tank	1
10	PSA Unit	1
11	N2 Supply	1
12	Water Treatment	1
13	Waste heat recovery/steam generation	1
14	Selective Catalyst Reduction Unit	1
15	Storage Tank of large quantities of ammonia	1
—	Gas Compression and Storage	—
16	H2 Product compression	2
17	Vessel Gaseous Cylinder Tank — 310 gallons capacity per cylinder	25
	H2-1000 Unit #2	—
18	Feed stock compression/pumping and pretreatment	1
19	Water purification	1
20	Steam generator for startup	1
21	Medium temperature shift conversion (WGS)	1
22	Furnace/Steam Methane Reformer	1
23	PSA Surge Tank	1
24	PSA Unit	1
25	N2 Supply	1
26	Water Treatment	1
27	Waste heat recovery/steam generation	1
28	Selective Catalyst Reduction Unit	1
29	Storage Tank of large quantities of ammonia	1
—	Gas Compression and Storage	—
30	H2 Product compression	2
31	Vessel Gaseous Cylinder Tank — 310 gallons capacity per cylinder	25

Table 1
Major Equipment Components

SJVAPCD Permit Device ID	Equipment/Process	Quantity
32	Fugitive Emissions — Miscellaneous (Pumps, Compressors, Valves, Flanges)	Various
—	Fuel Dispensing	—
33	Standalone Outdoor Dual Dispenser	8
34	Nozzles and Hoses from Dispenser	16

Notes:
SJVAPCD= San Joaquin Valley Air Pollution Control District
ID = Identification number
— = No value provided
N2 = Nitrogen
H_2 = Hydrogen
WGS = Water gas shift
PSA = Pressure swing adsorption

1.3 Locations of Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill and the chronically ill, especially those with cardiorespiratory diseases. Sensitive receptors include residences, schools, health-care facilities, and similar uses sensitive to air quality. Surrounding land uses consist of industrial and commercial uses to the west, east, and south; and residential land uses to the east and northeast, with the nearest residential houses located 4,600 feet (1,463 meters) to the north, and Washington Elementary School is located 7,200 feet (2,195 meters) to the east (Figure 3).

1.4 Construction and Equipment Installation Phasing Plan

The proposed H_2 fueling facility will be constructed in several construction phases as described below.

Construction of the proposed project is anticipated to commence in the summer of 2023 and be completed in late 2023 or early 2024. The anticipated total construction duration is approximately 3 — 4 months, sequenced over several phases. Construction equipment would include rubber-tired dozers, tractors/loaders/backhoes, excavators, graders, scrapers, cranes, forklifts, generators, welders, air compressors, and paving equipment. Table 2 identifies heavy equipment that would be required to construct the proposed project. Hand tools and other miscellaneous machinery may also be required.

Table 2
Proposed Construction Schedule and Equipment

Phase	Construction Phase	Duration	Construction Equipment	Quantity
1	Mobilization	5 days	Forklifts	1
			Generators	1
			Welders	1
2	Site preparation: excavation, and grading	25 days	Rubber-tired dozers	1
			Tractors	1
			Loaders	1
			Backhoes	1
			Excavators	1
			Graders	1
			Scrapers	1
			Forklifts	1
			Generators	1
			Welders	1
			Air compressors	1
3	Paving and construction of slabs on grade	25 days	Tractors	1
			Cement and Mortar Mixers	2
			Pavers	1
			Paving Equipment	2
			Rollers	2
4	Civil/trenching/ underground utilities	15 days	Loaders	1
			Backhoes	1
			Excavators	1
			Graders	1
			Forklifts	1
			Generators	2
			Welders	1
			Air compressors	1
			Paving equipment	1
5	Installation of hydrogen-production equipment	14 days	Cranes	2
			Forklifts	1
			Generators	2
			Welders	1
			Air compressors	1
6	Electrical and pipeline interconnections	33 days	Generators	2
			Welders	3
7	Commissioning/ test of system	22 days	No equipment required	2

Table 2 Proposed Construction Schedule and Equipment				
Phase	**Construction Phase**	**Duration**	**Construction Equipment**	**Quantity**
8	Demobilization	5 days	Rubber-tired dozers	1
			Tractors	1
			Loaders	1
			Graders	1
			Air compressors	1
			Paving equipment	1

1.4.1 Operation of One H2-1000 Unit

As shown on Figure 2, Stage 1 of the project would include the installation of the H2-1000 Unit #1 (with modules/skids as described above) for 1,000 kg/day of gaseous H_2 production. The H2-1000 unit would become the primary source of H_2 production. The entire H_2 production facility is designed to be operated unattended, and monitored remotely from the control room in Albuquerque, New Mexico. An operator at the Site will primarily assist the truck dispensing operations.

Stage 1 would also include installation of H_2 compressors, storage pods, and four truck-filling stanchions. Upon completion of Stage 1, the facility would have capacity for H_2 distribution of 1,000 kg/day (approximately 35 standard cubic feet per day).

Access to the facility will be provided from one location from Navy Drive. The proposed project will provide six automobile parking stalls. Additionally, the proposed project will provide up to six truck trailer-filling stations on the southwest side of the facility. Truck traffic, associated with the filling of H_2 trailers, is expected to be up to four trucks per day (under Stage 1) entering and exiting the facility entrance, located on a driveway off of Navy Drive. Each truck would include a trailer with a 500-killigram-capacity for H_2 gas. The average time to fill a truck trailer is approximately 5.5 hours. Up to two truck-tank tube trailers can be filled up simultaneously under Stage 1.

1.4.2 Operation of Two H2-1000 Units

Stage 2 of the proposed project would include the addition of a second H2-1000 unit, H_2 compressors, and storage pods, which would double the facility's H_2 production and compression capacity to 2,000 kg/day (approximately 70 standard cubic feet per day). Under Stage 2, the expected truck traffic would increase to up to ten trucks entering and exiting the facility each day. Up to four truck-tube tank trailers can be filled up simultaneously under Stage 2.

1.5 Stationary Source Process Description

BayoTech's H_2 production facility is a modular SMR reactor system that reacts natural gas and steam, in the presence of a catalyst, to produce synthesis gas (syngas). Downstream of the SMR, two additional small reactors use the water-gas shift reaction to reduce the CO in the syngas to CO_2. The final step in the process is a purification step, which uses pressure-swing adsorption to produce 99.97% pure H_2 (SAE J2719 quality) at a product flowrate of up to 1,000 kg/day.

H2-1000 Unit Steam Methane Reformer Process

In the furnace/SMR process, H_2 is produced by steam-reforming of a hydrocarbon (natural gas) at high temperatures in the presence of a catalyst. The desulfurization process begins with the removal of sulfur-containing compounds and odorants from the natural gas feedstock. It is assumed that the desulfurization filter will be removed and replaced once per year for the California-regulated sulfur levels in natural gas. Next, the natural gas is mixed with steam, preheated, and sent to the SMR. When the mixture of H_2O and natural gas pass over the catalyst in the reformer tubes, the mixture is converted into H_2, CO, CO_2, H_2O, and unreacted natural gas. This gas mixture, known as syngas, leaves the SMR, is cooled, and passes through a catalyst-filled reactor vessel at high temperature. In the reactor vessel, CO is reacted with H_2O and converted to CO_2 and H_2. After the syngas passes through the reactor vessel, the syngas is cooled and sent to the condenser. In the condenser, the syngas is cooled to ambient temperatures while excess H_2O is condensed and separated from the rest of the syngas. Lastly, the syngas passes through a purification unit, whereupon the H_2 is purified to a 99.999+% specification. The SMR is fired by a single burner, which burns a blend of natural gas and residual (tail) gas from the reformer process. Low-NOx natural gas burners will be used for furnace operation. The H2-1000 equipment is currently being manufactured, so a serial number has yet to be determined.

During the start-up of the H2-1000 unit, the SMR furnace is fired exclusively on natural gas. Once the PSA purification system is operating online, the tail-gas (primarily CO_2, H_2, and CH_4) leaving the PSA has residual heating value and is sent back to the burner, at which point the co-firing of both natural gas and PSA tail-gas would occur. The resultant combustion product/flue gas is routed to the flue gas duct/waste heat recovery section (to reduce the outlet flue gas temperature), where it is used for the following:

1) Generating the process steam (in a thermosyphon shell and tube heat exchanger)
2) Preheating feed natural gas
3) Preheating combustion air

4) Preheating process water (economizer)

Inputs for One H2-1000 Unit (at 100% capacity)

- Natural gas at 7,968 standard cubic foot per hour (between 145 pounds per square inch and 175 pounds per square inch)
- Potable water at 2.12 gallons per minute
- Electricity at 480 volts AC power, 60 hertz, 1600 Amps

Outputs for One H2-1000 Unit (at 100% capacity)

- H_2 fuel at 1,000 kg/day (35 standard cubic foot)

Flue-gas exhaust would have a typical composition of 59.7% nitrogen, 3.7% oxygen, 21.9% CO_2, 14.7% water, 5 ppm of NOx (with SCR), and trace amounts of CO (at 76 ppm), PM (at 7 ppm) and volatile organic compound (VOC) (at 5 ppm)[2]. Each H2-1000 unit SMR H_2 generator would fully comply with all Clean Air Act Title III hazardous pollutant regulations or any more stringent state or local requirements.

Steam Methane Reformer Startup Venting Emissions

Emissions associated with operations for each H2-1000 unit would also include reformer startup venting emissions. Reformer process gas is vented for approximately 12 hours during plant startup. This gas mixture, known as syngas, contains mostly H_2, CH_4, CO_2, and CO. Each SMR plant is expected to start up 12 times per year.

Selective Catalytic Reduction Venting Emission Limits

SCR is a post-flue gas treatment that is capable of reducing NOx emissions from the H2-1000 unit. SCR uses ammonia as a reducing agent, which is introduced into the flue gas stream. The mixture then comes into contact with a catalyst, selectively transforming the NOx into harmless nitrogen and water. Anhydrous ammonia (100-gallon storage tank) is used in the SCR for abatement of NOx. The SCR device will emit up to 10 ppm of ammonia from the deaerator vent based on an expected

[2] BayoTech Emission Data 2022.

permit limit of 10 ppm[3] ammonia slip exhaust concentration. The concentration of ammonia in the stacks of both H2-1000 units will be measured by source test after construction.

Storage Tanks

H_2 storage tanks will be comprised of the following:

- Each pod contains 25 cylinders.
- Pod dimension is 9 feet wide, 12 feet long, 9 feet high.
- Each cylinder capacity is 310 gallons of H_2 fuel.

All aboveground storage tanks will comply with the applicable SJVAPCD requirements.

Dispensing Hydrogen Fuels to Trucks

H_2 loadout will be comprised of two 18,000-cubic inch loading racks for filling trucks in dedicated H_2 service. The H_2 supply facility, with available storage of 1,000 kilograms a day, would be available for truck loading 24 hours per day. The driver of the H_2 delivery truck would operate the H_2 filling pumps for transfer and filling of H_2 to the empty truck trailers.

A filling operator would hook up returned empty truck trailers and vent any residual H_2 through the manifold vent stack during the dayshift (between the hours of 8 am and 5 pm) so that truck operators could come in during any hour, connect to an empty trailer, and then safely fill a trailer.

1.6 Hours of Operation and Employees

Hydrogen Production

During the project operations, H_2 production at the facility would occur 24 hours per day, 7 days per week. One employee would be onsite between the hours of 8:00 am and 5:00 pm, to monitor H_2 production, perform daily maintenance tasks, and facilitate the dispensing of H_2 to truck trailers. Between the hours of 5:00 pm and 8:00 am, H_2 production would be monitored remotely from BayoTech's central control room located in Albuquerque, New Mexico.

1.7 Vehicle Access and Circulation

Vehicle ingress and egress to and from the project Site is provided by a driveway west of Navy Drive located at the end of the double railroad tracks. Onsite, the facility would install a total of

[3] For the case of ammonia slip emissions from the use of a SCR control device, it appears the SJVAPCD has established an expected permit limit of 10 ppm by volume of ammonia exhaust concentration at 15% oxygen for boilers permitted under Rule 2201.

six truck-filling bays. The truck-filling bays would allow trucks to connect their trailers to gaseous H_2 trailer-filling manifolds (refer to Figure 2).

H_2 delivery trucks entering and exiting the H_2 fuel facility would be provided specific travel directions to the H_2 facility and for deliveries to H_2 refueling stations. BayoTech would provide travel directions and special notes for deliveries that indicate a specific route both to and from the H_2 facility (i.e., primarily utilizing arterial streets and unrestricted highways). According to the State, Port, and local city policies, trucks can only travel on Navy Drive due to truck restriction on other local roadways. All trucks are assumed to travel north, south and east via I5 and west on SR 4 via Navy Drive connectors. For the dispersion modeling analysis and its corresponding emission concentration levels, the estimated vehicle emissions associated with the truck and worker trips within 1,000 feet from the project Site are used in the model.

Maintenance vehicles and on-foot employees would also be able to access the Site directly from Navy Drive. The project would generate a daily trip rate of approximately 36 vehicles per day (i.e., three light-duty automobiles and ten, four-plus-axle heavy-duty trucks). Passenger Car Equivalent (PCE) is a factor used to express the number of cars needed to theoretically replace a non-passenger vehicle to simulate the same effect on a road or intersection. As an example, heavy vehicles, such as trucks or buses, typically have a PCE value of 1.5 or more, meaning that their influence on the road is 1½ passenger cars or more. Using this unit, all traffic on the road can be converted and expressed as several single values of passenger cars, rather than several values of different vehicle types. Ten 4-plus-axle heavy-duty trucks would generate a PCE value of 15 vehicles. With two trips per day, the total number of daily truck trips and employee/maintenance vehicles would generate approximately 30 and 6 average daily trips (ADT) per day, respectively.

The vehicle fleet travel-distance assumptions were estimated at 200 miles per day for 30% of the truck trips, 150 miles per day for 50% of the truck trips, 50 miles per day for 20% of the truck trips (in accordance with project applicant guidance) and 11.89 miles for passenger vehicle trips (CalEEMod default) for the project. Since there are 3 passenger vehicles, the number of miles was rounded up to 20 miles to even out the vehicle miles-traveled data.

Table 3 presents a summary of the proposed project's operational fleet travel assumptions.

Table 3
Operational Fleet Travel Assumptions

Fleet Type	Average Trip Rate 1-way trips/day	Average Trip Length miles/1-way trip	Number of 1-way Truck Trips	Annual Trips 1-way trips/year[1]	Annual VMT miles/year
Trucks	2	200	3	3,285	657,000
Trucks	2	150	5	5,475	821,250
Trucks	2	50	2	2,190	109,500
Employee vehicles	2	20	3	2,190	43,800
				Total Annual VMT	1,631,550

Source: Vehicle mile traveled (VMT) assumption provided by BayoTech 2022 and compiled by EnSafe 2022.

Note:
1 Passenger Car Equivalent (PCE) value of 1.5 was applied to the annual truck trips.

1.8 Parking

Employee parking for one — three additional employees for the H_2 production, would be provided by one of the six parking spaces at the facility. BayoTech trucks and trailers would be parked onsite overnight when not in use. Truck idling would be limited to 5 minutes in accordance with CARB's adopted Airborne Toxic Control Measures; however, for health-risk modeling purposes, it was conservatively assumed that heavy-duty fuel delivery trucks would idle for 15 minutes: entering the Site, at the fuel-loading dock, and prior to exiting the Site.

2.0 CALIFORNIA ENVIRONMENTAL QUALITY ACT THRESHOLDS OF SIGNIFICANCE

Compliance with CEQA is a key hurdle for siting a hydrogen production and fueling facility. CEQA requires California government agencies to consider the environmental consequences of issuing permits and land use approvals for projects. Land use approvals and air permits for hydrogen stations are the kind of government authorizations that typically trigger CEQA review. CEQA requires a hard look at diverse environmental impacts, including air quality, biological resources, cultural resources, geology, hazards and hazardous materials, hydrology and water quality, land use, noise, traffic, population and housing, public services, recreation, and socioeconomic factors. As with conventional gasoline, any liquid and/or gaseous hydrogen may present a safety risk in terms of flammability and explosivity if not properly handled. CEQA also looks at emissions both during construction and long-term operation of a facility.

The significance criteria used to evaluate a project's impacts to air quality are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to air quality would occur if a project would:

a. Conflict with, or obstruct implementation of, the applicable air quality plan

b. Result in a cumulatively-considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard

c. Expose sensitive receptors to substantial pollutant concentrations

d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people

e. Result in cumulatively considerable air quality impacts

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether a project would have a significant impact on air quality.

According to Appendix G of the CEQA Guidelines, a significant impact related to GHG emissions would occur if a project would:

a. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment

b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project would be considered a cumulatively-considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change. In addition, although GHG impacts are recognized exclusively as cumulative impacts, GHG emissions impacts must also be evaluated on a project level under CEQA.

San Joaquin Valley Air Pollution Control District Guidelines for Assessing and Mitigating Air Quality Impacts

The potential construction and operational air quality impacts of the project were analyzed using the 2015 SJVAPCD-adopted Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI). GAMAQI defines an analysis methodology, threshold of significance, and mitigation measures for assessment of air quality impacts for projects within SJVAPCD jurisdiction. Among other things, the GAMAQI defines CEQA threshold-of-significance for pollutant emissions from larger projects that apply to emissions from both construction and operations. GAMAQI defines "small projects", including commercial development projects, as involving less than 25,000 square feet; the SJVAPCD has pre-calculated construction and operations from such small projects and determined that small project emissions would fall under significance thresholds and would therefore not involve significant air quality effects.

Because the proposed hydrogen production and fueling facility would occupy an area of approximately 5 acres (217,800 square feet), which is greater than 25,000 square feet, the project-specific emissions under CEQA must be calculated and evaluated for potential significant effects.

Below is a discussion of the basic requirements of CEQA air quality and GHG emissions, and TACs compliance for the proposed hydrogen fueling facility project.

2.1 California Environmental Quality Act Criteria Air Pollutants Thresholds

Criteria pollutants can be classified as either regional or localized pollutants. Regional pollutants can be transported over long distances and affect ambient air quality far from the emissions source. Localized pollutants affect ambient air quality near the emissions source. The SJVAPCD has established quantitative thresholds for short-term (construction) emissions and long-term (operational permitted source and non-permitted sources) emissions for the following criteria pollutants:

Ozone is not directly produced; rather, it is the result of emissions of ROG and NOx reacting in the presence of sunlight. ROG and NOx are referred to as ozone precursors. Ozone is considered a regional-criteria pollutant. High concentrations of ground-level ozone can adversely affect the human respiratory system and aggravate cardiovascular disease and many respiratory ailments. People most at risk from breathing air containing ozone include people with asthma, children, older adults, and people who are active outdoors, especially outdoor workers. Ozone also damages natural ecosystems such as forest and foothill communities; agricultural crops; and some man-made materials, such as rubber, paint, and plastics. To control ozone pollution, it is necessary to control emissions of ROG and NOx.

ROG are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. ROG contributes to the formation of smog through atmospheric photochemical reactions and/or may be toxic. The daily threshold is 10 tons per year of ROG.

NOx is a yellowish-brown gas, which at high levels can cause breathing difficulties. NOx is formed when nitric oxide (a pollutant from burning processes) combines with oxygen. The daily threshold is 10 tons per year of NOx.

CO is a colorless, odorless, toxic gas that interferes with the transfer of oxygen to the brain and is produced by the incomplete combustion of carbon-containing fuels emitted as vehicle exhaust. Because of its ability to readily combine with hemoglobin and displace oxygen in the human body, high levels of CO can affect human health, causing fatigue, headache, confusion, and dizziness,

especially for elderly people or individuals with respiratory ailments. The threshold is 100 tons per year of CO.

Sulfur Dioxide is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Health effects include acute respiratory symptoms. The annual threshold is 27 tons per year of sulfur oxides, of which sulfur dioxide is the predominant component.

PM_{10} and $PM_{2.5}$ refers to PM less than 10 microns and 2.5 microns in diameter, respectively. Particulates of this size cause a greater health risk than larger-sized particles since fine particles can more easily cause irritation, where they can aggravate respiratory diseases. The annual threshold is 15 tons per year of PM_{10} and $PM_{2.5}$.

Table 4 presents the significance thresholds for construction and operational emissions as established by the SJVAPCD. It should be noted that the emissions thresholds were established based on the attainment status of the San Joaquin Valley air basin in regard to air quality standards for specific criteria pollutants. Two sets of thresholds are summarized below.

Table 4
San Joaquin Valley Air Pollution Control District Significance Thresholds

Air Pollutant	Construction Emissions	Operational Emissions Permitted Sources	Operational Emissions Non-Permitted Sources
CO	100 tons per year	100 tons per year	100 tons per year
ROG	10 tons per year	10 tons per year	10 tons per year
NOx	10 tons per year	10 tons per year	10 tons per year
SOx	27 tons per year	27 tons per year	27 tons per year
PM_{10}	15 tons per year	15 tons per year	15 tons per year
$PM_{2.5}$	15 tons per year	15 tons per year	15 tons per year

Notes:
CO = carbon monoxide
ROG = reactive organic gases
NOx = nitrogen oxides
Sox = sulfur oxides
PM10 = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SJVAPCD = San Joaquin Valley Air Pollution Control District
Source: SJVAPCD. 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March. Available online at: http://www.valleyair.org/transportation/GAMAQI.pdf

Projects with construction and/or operational emissions that exceed any of these emission thresholds are considered to be significant under the SJVAPCD CEQA guidelines.

In addition to the annual emissions mass-thresholds described in Table 3, the SJVAPCD also established screening criteria to determine whether a project would result in a CO hotspot at affected roadway intersections. If neither of the following criteria is met at any of the intersections affected by a project, that project would result in no potential to create a violation of the CO standard:

- A traffic study for the project indicates that the LOS on one or more streets, or at one or more intersections in the project site, will be reduced to LOS E or F

- A traffic study indicates that the project will substantially worsen an already-existing LOS F on one or more streets, or at more or more intersections, in the project site.

The potential for CO hotspots in the air basin is steadily decreasing because of the continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, and the already very low ambient CO concentrations. Furthermore, CO transport is extremely limited and disperses rapidly with distance from the local roadway sources to the longer-distanced sensitive receptors such as residents, children, hospital patients, and older adults. Due to the CEQA exception of the proposed project not requiring a localized traffic study, the CO hotspot analysis is not necessary, and the proposed project is not expected to demonstrate either of the above criteria. Thus, the project's CO emissions would not contribute to significant health effects associated with this pollutant. As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from the project's contribution to cumulative traffic-related air quality impacts would be less than significant.

In addition to the CEQA air quality thresholds, SJVAPCD Rule 9510 targets the indirect emissions from motor vehicles and construction equipment associated with the projects and applies to both construction and operational-related impacts. The rule applies to any applicant that seeks to gain a final discretionary approval for a development project, or any portion thereof, which upon full buildout, would include greater than 25,000 square feet of light industrial space. The rule requires all subject, nonexempt projects to mitigate both construction and operational period emissions by (1) applying feasible SJVAPCD-approved mitigation measures, or (2) paying any applicable fees to support programs that reduce emissions. Offsite emissions reduction fees (offsite fee) are required

for projects that do not achieve the required emissions reductions through onsite emission reduction measures.

Onsite emission reduction measures may include using less-polluting construction equipment, which can be achieved by utilizing add-on controls; cleaner fuels; or newer, lower-emitting equipment such as Tier 4 diesel engines.

The SJVAPCD will be notified of impending project construction as a part of the required filing of an application for coverage under Rule 9510. Rule 9510 is a routinely applied regulatory program that is part of the Port's Land Use Development Review Process and is routinely reflected in conditions of approval for projects.

SJVAPCD controls fugitive PM_{10} under Regulation VIII, Fugitive PM_{10} Prohibitions. The purpose of this regulation is to reduce ambient concentrations of PM_{10} and $PM_{2.5}$ by requiring actions to prevent, reduce, or mitigate anthropogenic (human-caused) fugitive dust emissions. Fugitive PM_{10} emissions would be reduced through the required implementation of SJVAPCD Regulation VIII, enforcement of which is the responsibility of the SJVAPCD. Conformance with plans and specifications is monitored by Port land use building inspectors.

Under Rule 8021, a Dust Control Plan is required for a nonresidential project with 5 or more acres of disturbed surface area. The Dust Control Plan is required to be submitted to SJVAPCD prior to the start of any construction activity and must also describe fugitive dust control measures to be implemented before, during, and after any dust-generating activity. For sites smaller than 5 acres, the project is still required to notify SJVAPCD a minimum of 48 hours prior to commencing earthmoving activities.

2.2 San Joaquin Valley Air Pollution Control District Greenhouse Gases Thresholds

Global climate change is defined as "the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms." Scientific evidence suggests that global climate change is the result of increased concentrations of GHGs in the earth's atmosphere, including CO_2, CH_4, nitrous oxide (N_2O), and fluorinated gases.

An individual project like the proposed project evaluated in this GHG analysis cannot generate enough GHG emissions to affect a discernible change in global climate. However, the proposed project may participate in the potential for global climate change by its incremental contribution of GHGs combined

with the cumulative increase of all other sources of GHGs, which when taken together, constitute potential influences on global climate change. Because these changes may have serious environmental consequences, the potential for the proposed project to have a significant effect upon the environment was evaluated because of its potential contribution to the greenhouse effect.

GHG Thresholds or Permitted and Non-Permitted Sources

The Port generally adopts SJVAPCD thresholds related to emission sources as most GHG sources at the Port also result in CAP emissions. As discussed in Section 3.7.2.3.1, SJVAPCD has established GHG thresholds for projects subject to CEQA based on achieving performance-based standards that have been demonstrated to be Best Performance Standard (BPS). For projects implementing SJVAPCD's BPS, quantification of project-specific GHGs is not required (SJVAPCD 2009). SJVAPCD's BPS generally apply to projects with stationary industrial emission sources and land use and development projects. For development projects, BPS includes project design elements, land use decisions, and technologies that reduce GHG emissions. Project proponents can reduce GHG emissions from energy consumption through building designs that increase energy efficiency, conserve water, and use energy-efficient appliances. For other projects, including commercial facilities like port terminals and projects not implementing BPS, SJVAPCD requires that project-specific GHG emissions be quantified and compared to a 29% reduction in GHG emissions as compared to the business as usual (BAU) standard to determine significance (SJVAPCD 2009). The City's CAP also relies on a 29% reduction from 2020 levels as compared with the BAU goal. However, the BAU approach has been effectively rendered unusable after the California Supreme Court's 2015 ruling in *Center for Biological Diversity v. California Department of Fish and Wildlife.* In addition, the City's CAP is not consistent with larger state goals, namely the latest adopted ARB Scoping Plan 2030 (ARB 2017), which is currently being updated with adoption expected in 2022.

Several California Air Districts have established a GHG threshold of 1,100 MT of CO_2e per year for land use plans and 10,000 $MTCO_2e$ per year for stationary sources. As the facility is a stationary source, the Port has opted to use the 10,000 $MTCO_2e$ per year threshold consistent with the approach used by air districts.

Life-Cycle Analysis Not Required

A full LCA for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time[4]. Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and transporting all raw materials used in the project development, infrastructures, and ongoing operations) depends on emission factors or econometric factors that are not well established for all processes. At this time, an LCA would be extremely speculative and thus has not been prepared.

Additionally, the CEQA Guideline recommends analyzing direct and indirect project GHG emissions generated within California and not life-cycle emissions because the life-cycle effects from a project could occur outside of California, might not be very well understood or documented, and would be challenging to mitigate[5]. Additionally, the science to calculate life cycle emissions is not yet established or well defined; therefore, SJVAPCD has not recommended, and is not requiring, life-cycle emissions analysis.

2.3 San Joaquin Valley Air Pollution Control District Toxic Air Contaminants Thresholds

A TAC is defined as an air pollutant that may cause or contribute to an increase in mortality or in serious illness, or that may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air. However, their high toxicity or health risk may pose a threat to public health even at very low concentrations. In general, for those TACs that may cause cancer, there is no concentration that does not present some risk. This contrasts with the criteria pollutants for which acceptable levels of exposure can be determined and for which the state and federal governments have set ambient air quality standards.

CARB published the Air Quality and Land Use Handbook: A Community Health Perspective[6] to provide information to local planners and decisionmakers about land use compatibility issues associated with emissions from industrial, commercial, and mobile sources of air pollution. The CARB Handbook indicates that mobile sources continue to be the largest overall contributors to the state's air pollution problems, representing the greatest air pollution health risk to most Californians. The most serious pollutants on a statewide basis include DPM, benzene, and 1,3-butadiene, all of which are emitted

[4] California Natural Resources Agency. Final Statement of Reasons for Regulatory Action, Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB97. [Online] December 2009.
[5] Minutes for the GHG CEQA Significance. South Coast Air Quality Management District. 2008.
[6] California Air Resources Board. 2005. Air Quality and Land Use Handbook: A Community Health Perspective. Available: https://ww3.arb.ca.gov/ch/handbook.pdf

by motor vehicles. These mobile-source air toxics are largely associated with freeways and high-traffic roads. Non-mobile source air toxics are largely associated with industrial and commercial land uses.

There are no traditional sensitive receptors such as residences, hospitals, or schools that are proposed as part of the proposed project.

The SJVAPCD's GAMAQI[7] includes procedures for evaluating hazardous air pollutants. For TACs, "substantial" is taken to mean that the individual health risk exceeds a threshold considered to be a prudent risk management level.

The following limits for MICR and noncancer chronic HI from project emissions of TACs are considered appropriate for use in determining the health risk for projects in SJVAPCD:

- **MICR:** MICR is the estimated probability of an MEI contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations. The MICR calculations include multi-pathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs emitted from the project would be considered significant if it would result in an increased MICR greater than 20 in 1 million ($2.0 \times 10\text{-}5$).

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multi-pathway consideration, when applicable. The project would be considered significant if the cumulative increase in total chronic HI, for any target organ system due to total emissions from the project, would exceed 1.0 at any receptor location.

Table 5 lists the air district's TAC Incremental Risk Thresholds for operation of a project.

[7] SJVAPCD. 2015. Air Quality Thresholds of Significance — Toxic Air Contaminants. June. Available online at: http://www.valleyair.org/transportation/0714-GAMAQI-TACs-Thresholds-of-Significance.pdf

Table 5 San Joaquin Valley Air Pollution Control District Toxic Air Contaminant Incremental Risk Thresholds		
Risk	**Exposure Duration**	**Significance Criteria**
Residential Cancer Risk	30 years	≥ 20 in 1 million
Offsite Worker Cancer Risk	25 years	≥ 20 in 1 million
Chronic Non-Cancer Risk	1 year (365 days)	Hazard Index ≥ 1.0

Source: SJVAPCD. 2015. Air Quality Thresholds of Significance — Toxic Air Contaminants. June. Available online at: http://www.valleyair.org/transportation/0714-GAMAQI-TACs-Thresholds-of-Significance.pdf.

Note:
≥ = greater than or equal to

Sensitive Receptors Buffer Zones

SJVAPCD identifies sensitive receptors as residences, schools, daycare centers, playgrounds, and medical facilities. For the risk assessment, a separate AERMOD dispersion model must be performed and then its output would be converted into specific cancer risks and non-cancer chronic health-hazard impacts.

2.4 Objectionable Odor Thresholds

As described in the SJVAPCD Guidance, due to the subjective nature of odor impacts, there are no quantitative thresholds to determine if potential odors would have a significant impact. Projects must be assessed for odor impacts on a case-by-case basis for the following two situations:

- Generators: Projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate.

- Receivers: Residential or other sensitive receptor projects or other projects built for the intent of attracting people locating near existing odor sources.

According to SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts[8], each project that will generate odors should be evaluated to determine the likelihood that it would result in nuisance odors. SJVAPCD recognizes the subjective nature of odor impacts and recommends that each project should be assessed on a case-by-case basis, taking into consideration all available pertinent information to qualitatively determine if a significant impact is likely to occur, such as information

[8] SJVAPCD. 2015. Guidance for Assessing and Mitigating Air Quality Impacts. http://www.valleyair.org/transportation/GAMAQI.pdf

regarding the characteristics of the buffer zone between the sensitive receptor(s) and the odor source(s), local meteorological conditions, and the nature of the odor source.

The SJVAPCD has identified some common types of facilities such as petroleum facility, chemical manufacturing, wastewater treatment facility, sanitary landfills, etc., that have been known to produce substantial odors as well as screening distances of between 1 — 2 miles between these odor sources and receptors. If a project would result in an odor source with sensitive receptors located within 1 — 2 miles screening distances, additional analysis would be required. The project Site is not expected to be a large source of objectionable odors.

2.5 Cumulative Analysis Thresholds

A project's emissions may be individually limited but cumulatively considerable when taken in combination with past, present, and future development within the San Joaquin Valley Air Basin. If a project would result in a significant impact based on the SJVAPCD annual thresholds of significance for criteria pollutants, then the project would also be considered cumulatively significant. However, if a project's emissions are below the annual significance thresholds for criteria pollutants, the impact may still be cumulatively significant. For instance, if a project results in criteria pollutant concentrations that exceed any of the federal health-based ambient air concentration standards or causes a worsening of areas already exceeding those standards, the project's impacts would be considered individually significant and cumulatively significant. In addition, the combined emissions of a project and cumulative development located within the same area could potentially cause or worsen an exceedance of the concentration standards, whereby the project would have a cumulatively-significant impact.[9]

In regard to TACs, because impacts are localized and the SJVAPCD thresholds of significance for TACs have been established at an extremely conservative level; risks that equal or exceed the individual thresholds of significance are also considered cumulatively significant.[8] No other cumulative risk thresholds would apply.

The SJVAPCD has not established cumulative significance thresholds regarding odor impacts.

[9] SJVAPCD. 2015. Guidance for Assessing and Mitigating Air Quality Impacts. Accessed August 2017. http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf.

3.0 EMISSION DATA SOURCES AND METHODOLOGIES

The following sections describe the input data and methodologies used in the construction and operational emissions analysis. Detailed information for each section can be found in the referenced Tables, Figures, and Appendices.

Project Design Features

The following project design features (PDFs) would be included as part of the project:

PDF-AQ-1 Prior to the Port's approval of any grading permits and during project construction, a fugitive Dust Control Plan shall be prepared demonstrating compliance with SJVAPCD Rules 8021, 8031, 8041, 8051, 8061, and 8071, to the satisfaction of the county. The project applicant or its designee shall require implementation of the following fugitive dust measures to minimize course PM emissions as part of the fugitive Dust Control Plan. All measures shall be designated on grading plans.

a. Grading areas shall be watered, or another SJVAPCD-approved dust control non-toxic agent shall be used, at least three times daily to minimize fugitive dust only where chemical stabilizers are not used.

b. All permanent roads and the paved access roadway improvements shall be constructed and paved as early as possible in the construction process to reduce construction vehicle travel on unpaved roads. Foundations shall be finalized as soon as possible following site preparation and grading activities to reduce fugitive dust from earth-moving operations.

c. Grading areas shall be stabilized as quickly as possible to minimize fugitive dust.

d. Chemical stabilizer shall be applied, a gravel pad shall be installed, or the last 100 feet of internal travel path within the construction site shall be paved prior to public road entry.

e. Wheel washers, grates, rock, or road washers shall be installed adjacent to the Site access points for tire inspection and washing prior to vehicle entry on public roads.

f. Visible track-out into traveled public streets shall be removed with the use of sweepers, water trucks, or similar method within 30 minutes of occurrence.

g. Perimeter erosion control shall be provided to prevent washout of silty material onto public roads. Unpaved construction site egress points shall be graveled to prevent track-out.

h. The construction access point shall be wet-washed at the end of the workday if any vehicle travel on unpaved surfaces has occurred.

i. Haul trucks shall be covered or at least 2 feet of freeboard shall be maintained to reduce blowoff during hauling.

j. Onsite stockpiles of excavated material shall be covered.

k. A 15-mile-per-hour speed limit on unpaved surfaces shall be enforced.

l. Construction traffic control plans shall route delivery and haul trucks required during construction away from sensitive receptor locations and congested intersections to the extent feasible. Construction traffic control plans shall be finalized and approved prior to issuance of grading permits.

PDF-AQ-2 The project applicant or its designee shall provide to all project construction employees the fact sheet entitled "Preventing Work-Related Coccidioidomycosis (Valley Fever)" by the California Department of Public Health and ensure all employees are aware of the potential risks the site poses. The project applicant or its designee shall inform all project construction employees of all occupational responsibilities and requirements contained in these measures to reduce potential exposure to Coccidioides spores.

The training shall include all the following topics:

a. What Valley Fever is and how it is contracted

b. High-risk areas, types of work, and environmental conditions during which the risk of contracting Valley Fever is highest

c. Personal risk factors that may create a higher risk for some individuals

d. Personal and environmental exposure prevention methods

e. Importance of early detection, diagnosis, and treatment

f. Recognizing common signs and symptoms of Valley Fever

g. Importance of reporting symptoms to the employer and seeking medical attention

h. Common treatment and prognosis for Valley Fever

General Emissions Methodology

EnSafe utilized California Emission Estimator Model version 2022.1 (CalEEMod)[10] -equivalent methodologies in a proprietary program to quantify construction CAP emissions. Operational emissions were quantified using CalEEMod equivalent methodologies, CARB guidance, and equipment-specific data. Further details are provided in the following sections.

CalEEMod is a statewide program designed to calculate both CAP and GHG emissions for development projects in California. CalEEMod provides a simple platform to calculate both construction emissions and operational emissions from a land use project. It calculates both the daily maximum and annual average for CAPs as well as total or annual GHG emissions. CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. CalEEMod uses sources such as the U.S. EPA AP-42 emission factors[11]; CARB on-road and off-road equipment emission models, such as the EMission FACtor model (EMFAC) and the Emissions Inventory Program model (OFFROAD); and studies commissioned by California agencies such as the California Energy Commission and CalRecycle. The model also integrates data from CalEnviroScreen, Cal-Adapt, and the Healthy Places Index to identify potential climate risks and environmental burdens within the project vicinity.

[10] California Air Pollution Control Officers Association (CAPCOA). 2022. California Emissions Estimator Model (CalEEMod®), Version 2022.1. Available online at: http://www.CalEEMod.com/.

[11] The USEPA maintains a compilation of Air pollutant Emission Factors and process information for several air pollution source categories. The data is based on source test data, material balance studies, and engineering estimates. Available at: http://epa.gov/ttnchie1/ap42/.

Construction CAP and GHG Emissions Methodology

Construction emissions from the project include onsite, off-road heavy equipment; offsite, on-road vehicle travel; grading activities; paving; and architectural coating. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the project applicant and CalEEMod default values when project specifics were not known. As described below, EnSafe updated several default assumptions to project-specific information to generate emission estimates with CalEEMod equivalent methodologies.

Grading Activities

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions". Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. Based on information provided by the project Applicant, earthwork is to include a total of approximately 8,067 cubic yards of material import (i.e., 1,810 cubic yards gravel, 1,044 cubic yards concrete, and 5,213 cubic yards asphalt material). For purposes of analysis, the import quantity will be modeled with the CalEEMod default hauling trip length of 20 miles.

Construction Equipment and Vehicle Trips

The off-road equipment list is shown in Table 2 and off-road water truck emissions are calculated in CalEEMod model. Construction emissions for construction worker, vendor vehicles traveling to and from the project site, as well as vendor trips (construction materials delivered to the project site) were estimated based on information from CalEEMod defaults.

Where project-specific data were not available, EnSafe used CalEEMod model defaults for the industrial land use. A summary of emission quantification methodologies is presented below.

Updates to CalEEMod Default Assumptions

The project would implement dust control strategies as a PDF. To reflect implementation of proposed dust control strategies, the following was assumed in CalEEMod:

- Water-expose area three times per day (61% reduction in PM_{10} and $PM_{2.5}$).
- Limit vehicle travel on unpaved roads to 15 miles per hour.

- Construction schedule provided by project applicant (see Table 2).

- All off-road equipment is assumed to be diesel-fueled.

- All off-road equipment is assumed to use statewide fleet average emission factors from CARB's ORION model for construction year 2023. The exception is the water trucks, which are modeled as EMFAC medium-heavy duty trucks (MHDT) rather than off-road equipment and thus do not have an engine tier.

- Haul truck trip rates were calculated based on the amount of material to be moved, as provided by the project applicant, and the CalEEMod default truck capacity of 20 tons (or 16 cubic yards) per truck.

- On-road emissions were calculated using emission factors from EMFAC2022.

Operational Criteria Air Pollutants and Greenhouse Gas Emissions Methodology

Project operational emissions for both Stage 1 and Stage 2 were evaluated for calendar year 2024. Operational emissions from the project include the permitted stationary H2-1000 units, non-permitted on-road mobile sources, as well as non-permitted area sources related to facility energy use, water use, architectural coating, and consumer products usage. Non-permitted mobile sources for the project would primarily be motor vehicles (automobiles, light-duty trucks, and heavy-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Methodology descriptions are provided below.

- Architectural coating and consumer product emissions were quantified using CalEEMod default emission factors and project-specific land use details from Table 1.

- Energy emissions were quantified using electricity emission factors derived from historical Pacific Gas & Electric and CalEEMod data and natural gas emission factors from CalEEMod.

- Water supply and wastewater treatment emissions were quantified using CalEEMod default emission factors and project-specific water use rates.

- Waste handling emissions were quantified using CalEEMod default emission factors and default waste rates for the land uses specified in Table 1.

- On-road mobile emissions were quantified for passenger (employee) vehicles and delivery trucks. Trip rates and distances were provided by the project applicant.

- Sources of VOC emissions are generated from asphalt paving and architectural coating materials.

Local Carbon Monoxide Impacts

Under state guidelines, projects that generate fewer than 110 trips per day are generally assumed to cause a less-than-significant transportation impact.[12] Also, under SJVAPCD guidelines for Small Projects Analysis Levels, projects with non-HHDT and HHDT trip lengths of less than 550 ADT and 70 ADT, respectively are assumed to cause a less-than-significant impact. Based on the information provided by the project applicant, the proposed project will generate approximately 36 ADT, which is less than 110 trips per day criterion. The proposed project's 6 ADT for non-HHDT and 30 ADT for HHDT would be below the SJVAPCD screening criterion. The proposed project does not meet the screening criteria for CO hot spot analysis. Thus, operational impacts from proposed project CO emissions would be less than significant.

Toxic Air Contaminant Emissions

Project construction and operations generate TAC emissions, specifically DPM from construction equipment, stationary sources, and delivery trucks. Exposures to stationary and mobile source air toxics have been associated with numerous adverse health effects. Therefore, health impact analysis for operation has been prepared for the proposed project to analyze the project-related stationary and mobile source air toxics. The source of TACs for this type of project can be attributed to TACs from the methane reforming process (i.e., acetaldehyde, acrolein, ammonia, benzene, ethyl benzene, formaldehyde, hexane, polycyclic aromatic hydrocarbons, naphthalene, toluene, and xylenes) and diesel exhaust from the trucks (i.e., diesel particulates, PM2.5, acetaldehyde, 1,3-butadiene, benzene, ethylbenzene, formaldehyde, methyl ethyl ketone, naphthalene, propylene, styrene, toluene, and m & p-xylene). A qualitative evaluation of the construction TAC emissions was prepared to analyze the project-related construction diesel-powered equipment activities.

[12] Governor's Office of Planning and Research (OPR). 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA. April Available online at: https://opr.ca.gov/docs/20180416-743_Technical_Advisory_4.16.18.pdf

3.1 Construction Emissions Summary — Criteria Pollutants

Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the project applicant and CalEEMod default values when project specifics were not known. The estimated maximum annual construction emissions are summarized in Table 6.

Table 6
Overall Construction Emissions Summary

Year	Emissions (tons/year)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
2023	0.10	0.77	0.76	0.005	3.04	0.34
Maximum Annual Emissions	**0.10**	**0.77**	**0.76**	**0.005**	**3.04**	**0.34**
SJVAPCD Regional Threshold	10	10	100	27	15	15
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix B.
ROG = reactive organic gases
NO_x = nitrogen oxides
CO = carbon monoxide
SO_x = sulfur oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SJVAPCD = San Joaquin Valley Air Pollution Control District
CalEEMod = California Emission Estimator Model

Project construction-source emissions would not exceed the numerical thresholds of significance established by the SJVAPCD for any criteria pollutant. Thus, a less-than-significant impact would occur for project-related construction-source emissions and no mitigation is required.

3.2 Construction Emissions Summary — Greenhouse Gas

For construction phase project emissions, GHGs are quantified and amortized over the life of the project. To amortize the emissions over the life of the project, the SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 20-year project lease under the land use agreement with the Port, then adding that number to the annual operational phase GHG emissions. As such, construction emissions were amortized over a 20-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Table 7.

Table 7 Amortized Annual Construction Emissions				
	Emissions (metric tons per year)			
Year	CO_2	CH_4	N_2O	Total CO_2e*
2023 Total	118.0	<0.0005	<0.0005	119.00
Amortized Construction Emissions ($MTCO_2e$)	**5.90**	**<0.01**	**<0.01**	**5.95**

Notes:
CO_2 = carbon dioxide
CH_4 = methane
N_2O = nitrous oxide
CO_{2e} = carbon dioxide equivalent
$MTCO_2e$ = metric tons in carbon dioxide equivalent
CalEEMod = California Emission Estimator Model
Source: CalEEMod annual construction-source emissions are presented in Appendix B.
GHG = greenhouse gas
GWP = global warming potential
< = less than
* CalEEMod reports the most common GHGs emitted which include CO_2, CH_4, and N_2O. These GHGs are then converted into the CO_2e by multiplying the individual GHG by the GWP.

3.3 Operational Criteria Air Pollutants Emission Calculations

Operational air pollutant emission impacts are those associated with stationary sources and mobile sources involving any project-related changes. Emissions from the operational phase of the project were estimated using CalEEMod. For the purposes of this analysis, however, full buildout operations are assumed to begin in January 2024.

Permitted Stationary Sources. The SMR produces syngas from natural gas and steam feedstocks and requires heat which is supplied by the combustion of natural gas and process gases. Combustion emissions from the SMR were calculated based on the maximum hourly heat input (4 MMBtu/hour) of the unit and project applicant-supplied emissions data[15]. Emissions of criteria pollutants and TACs were calculated based on U.S. EPA's AP-42 for natural gas-fired boilers with the low NOx burner device[13] and flue gas emissions were estimated based on mass balance emission rates obtained from the project applicant[14]. The SMR will be equipped with SCR with 90 percent NOx-emissions control efficiency[15]. The SMR will not otherwise emit to atmosphere during normal operations. On rare occasions, start-up conditions and up-set conditions will result in syngas releases to a vent dedicated for control of releases during such start-up, shut-down, and malfunction events.

[13] U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.
[14] Flue gas emission rate with SCR device was obtained from the BayoTech Emission Diagram (10-7-2022)
[15] Assume 90% control efficacy based on information from SCAQMD RiskTool (V1.105) R040919 and South Coast AMQD Procedure 8.1

A start-up heater, with a maximum heat input capacity of 1 British Thermal Unit per hour, will be used to provide heat to the synthesis reactor system during plant start-ups. The start-up heater will use natural gas, and for air-permitting purposes, is conservatively assumed to operate at full capacity year-round. Combustion emissions were calculated based on the maximum heat input capacity of the heater and U.S. EPA's AP-42 emission factors for natural gas-fired furnace.

Table 8 provides the emission rates for the H2-1000 equipment units #1 and #2 with the SCR devices. A detailed summary of the emissions is demonstrated in Appendix A.

Non-Permitted Area Sources CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating were calculated in the Building Energy Use module of CalEEMod, as described in the following text.

Consumer product ROG emissions were estimated in CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of ROG per-building-square foot per-day. For parking lot land uses, CalEEMod estimates ROG emissions associated with use of parking surface degreasers based on a square footage of parking surface area and pounds of ROG per-square foot per-day.

ROG off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers using during facility maintenance. CalEEMod calculates the ROG evaporative emissions from application of nonresidential surface coatings based on the ROG emissions factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The ROG emissions factor is based on the ROG content of the surface coatings, and SJVAPCD's Rule 4601 (Architectural Coatings) governs the ROG (or VOC) content for interior and exterior coatings. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the nonresidential surface area for painting equals 2 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers. The emissions from landscape equipment use are estimated based on CalEEMod default values for emissions factors (grams per-square foot of nonresidential building space per-day) and number of summer days (when

landscape maintenance would generally be performed) and winter days. For San Joaquin County, the average annual summer days are estimated to 365 days; however, it was assumed that landscaping equipment would likely only operate during the week (not weekends), so operational days were assumed to be 250 days per year in CalEEMod.

Non-Permitted Mobile Sources. Mobile sources for the project would primarily be motor vehicles (automobiles, light-duty trucks, and heavy-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Emissions from the mobile sources during operation of the project were estimated using a spreadsheet-based model and emissions factors from the CARB EMFAC2021 and CARB speciation factors for TAC analysis[16]. Vehicle trip lengths were assumed to be up to 200 miles per day for 30% of the truck trips, up to 150 miles per day for 50%of the truck trips, and up to 50 miles per day for 20% of the truck trips (in accordance with project applicant guidance) and 11.89 miles for passenger vehicle trips (CalEEMod default) for the project. Vehicle emissions occur during startup, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for trucks and passenger vehicles were determined using EMFAC in CalEEMod, which generates emissions factors, expressed in grams-per-mile, grams-per-trip, and grams-per-vehicle per-day, for the fleet in a class of motor vehicles within a region for a particular study year. For this analysis, the county was selected for the region and calendar year 2024 was selected to represent the project's operational start year. Based on trip generation estimates for light-duty autos (23% of all project-related vehicles) and heavy-heavy duty trucks (77% of all project-related vehicles) prepared for the proposed project, the projected 36 average daily trips were used as input in the CalEEMod analysis. The project's mobile trips were conservatively estimated to operate 365 days per year and generated approximately 4,470 vehicle miles traveled per day.

Truck idling would be limited to 5 minutes in accordance with CARB's adopted Airborne Toxic Control Measures; however, for modeling purposes, it was conservatively assumed that heavy-duty trucks would idle for 15 minutes: entering the Site, at the H_2 fuel-loading station, and prior to exiting the Site.

Table 8 shows the estimated operational emissions associated with the proposed project.

[16] CARB, 2022. Speciation Profiles Used in ARB Modeling. The following files were used: orgprofile20jun22.xlsx, fraction20jun22.xlsx, pmchemprofile20jun22.xlsx, and pmsizeprofile20jun22.xlsx. October 15, 2022.

Table 8
Operational Criteria Air Pollutants Emissions

Permitted Source	Pollutant Emissions(tons/year)					
	ROG	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Stationary H2-1000 Unit #1	0.095	0.095	1.4794	<0.01	0.133	0.133
Stationary H2-1000 Unit #2	0.095	0.095	1.479	<0.01	0.133	0.133
Total Permitted Emissions	**0.190**	**0.190**	**2.958**	**<0.01**	**0.266**	**0.266**
SJVAPCD Thresholds	10	10	100	27	15	15
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Non-Permitted Source	Pollutant Emissions(tons/year)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Energy	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mobile	0.03	2.63	0.63	0.02	12.20	1.91
Total Non-Permitted Emissions	**0.03**	**2.63**	**0.63**	**0.02**	**12.20**	**1.91**
SJVAPCD Thresholds	10	10	100	27	15	15
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by EnSafe Inc. (December 2022).

Notes:
ROG = reactive organic gases
NO_X = nitrogen oxides
CO = carbon monoxide
SO_X = sulfur oxides
PM_{10} = particulate matter less than 10 microns in size
PM2.5 = particulate matter less than 2.5 microns in size
< = less than
SJVAPCD = San Joaquin Valley Air Pollution Control District
Emissions for Stationary Sources H2-100 Units were calculated using the H2-1000 Unit Emission Data Sheet with Low NOx Burner and SCR device and U.S. EPA AP-42 Section 1.4, Table 1.4-1. and Table 1.4-2 for Natural Gas Combustion.
Emissions for Area, Energy Consumption, Mobile, Solid Waste, and Water Consumption were calculated in CalEEMod. A detailed summary is presented in Appendix A.

None of the SJVAPCD emission thresholds for criteria pollutants would be exceeded by the project-related increases. Therefore, project-related long-term air quality impacts would be less than significant.

3.4 Operational Greenhouse Gas Emission Calculations

GHG emissions are classified as either direct or indirect. Direct emissions are associated with the production of GHGs at a project site. Direct emissions for the proposed project include the combustion of fuel in construction equipment and permitted operational emissions from the chemical reaction and combustion of natural gas-fired SMR onsite. Indirect emissions include the emissions

from offsite vehicles (both gasoline- and diesel-fueled) delivering materials and equipment to and from the project site, workers vehicle trips, and the conveyance and consumption of water and electricity, and the collection and disposal of solid waste.

Table 9 summarizes the proposed project's total operational emissions with the combined direct and indirect operational emissions.

Table 9
Estimated Greenhouse Gas Operational Emissions

Sources	CO_2	CH_4	N_2O	Annual Emissions (metric tons CO_2e)
Stationary Sources H2-1000 Unit #1	3,786.23	0.99	3.09	3,790.32
Stationary Sources H2-1000 Unit #2	3,786.23	0.99	3.09	3,790.32
Stationary Sources H2-1000 Units 1 & 2 Start-up Venting Emissions	1.36	3.02	0	4.38
Area	0.01	<0.005	<0.005	0.01
Energy Consumption (electricity)	2,401	0.17	0.02	2,412
Mobile (vehicle tailpipe emissions)	2,223	0.04	0.34	2,328
Solid Waste (generation and transport)	0	0	0	0
Water Consumption	1.1	0.04	<0.005	2.26
TOTAL				**12,327.29**

***Notes*:**
Emissions for Stationary Sources H2-100 Units were calculated using the H2-1000 Unit Emission Data Sheet with Low NOx Burner and SCR device and U.S. EPA AP-42 Section 1.4, Table 1.4-1. and Table 1.4-2 for Natural Gas Combustion.
Emissions for Area, Energy Consumption, Mobile, Solid Waste, and Water Consumption were calculated in CalEEMod. A detailed summary is presented in Appendix A.CO_2 = carbon dioxide
CH_4 = methane
N_2O = nitrous oxide
CO_2e = carbon dioxide equivalent
< =less than
Source: EnSafe Inc. 2022

Total Annual Greenhouse Gas Emissions

The amortized construction CO_2e emissions would be 5.95 metric tons per year and the annual operational CO_2e emissions would be approximately 12,327.29 metric tons per year. Table 10

presents the sum of the total annual GHG, which indicates GHG emissions would be 12,333.24 metric tons of CO_2e per year.

Table 10
Estimated Total Annual GHG Emissions

Sources	Annual Emissions (Metric Tons CO_2e)
Operational Emissions	12,327.29
Amortized Construction Emissions	5.95
Total GHG Emissions	**12,333.24**
Threshold	10,000
Exceed Threshold?	Yes

Notes:
CO_2e = carbon dioxide equivalent
LCFS = low carbon fuel standards
GHG = greenhouse gas
Source: EnSafe Inc. 2022

As shown in Table 10, the estimated CO_2 equivalent emissions associated with both amortized construction and operational activities would exceed the stationary source threshold of 10,000 metric tons per year. Therefore, a significant impact related to GHG emissions would occur and mitigation measure is required.

Mitigation Measure: The following mitigation measure would be implemented to reduce GHG emissions:

- **MM GHG-1: Renewable/Bio Natural Gas:** During operation, the project applicant would use renewable or biofuel natural gas fuel to their H2-1000 units. While the project applicant would use natural gas procured from existing physical utility distribution pipelines, the use of RNG would be facilitated using the "Book and Claim" credits, based on the purchased environmental assets of RNG produced at other locations. The RNG will be of sufficient quantity and carbon intensity to reduce the net carbon emissions by an equivalent of 2,334 MTCO2e per year, below the threshold of significance. The project applicant would provide the Port with monthly and annual reports, through the Mitigation Monitoring and Reporting Program (MMRP) system, of RNG purchase records and overall fuel consumption. The contract must identify the quantity of traditional natural gas consumed and fully document the availability and price of RNG to meet project demand.

With implementation of the mitigation measure identified above, the proposed project would result in a less than significant GHG emissions impact. (Less than Significant Impact with Mitigation Incorporated)

Conclusion

With implementation of the mitigation measure identified above, the proposed project would result in a less than significant GHG emissions impact. (Less than Significant Impact with Mitigation Incorporated)

4.0 HEALTH IMPACT OF TOXIC AIR CONTAMINANTS

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. CEQA does not require comprehensive quantification of health risk for every project. Rather, projects are evaluated or screened for a need to quantify health risks and a quantitative HRA is conducted if it is determined that impacts could potentially exceed thresholds of significance. An HRA is dependent on several key variables: TAC emissions, TAC potency, exposure duration, and distance from sensitive receptors. If one of these variables (such as TAC emissions) is low, that, by itself, is not a basis for determining whether an HRA is needed. However, taken together these variables make a compelling argument for determining the need for a quantitative HRA. For example, low TAC emissions emitted far from sensitive receptors and for a short duration would indicate that impacts are unlikely to exceed thresholds of significance. Potential construction-related and operational health risks are quantitatively evaluated for the project, below.

An HRA was conducted utilizing Lakes Environmental Software AERMOD and the ARB's HARP 2 Air Dispersion, Modeling, and Risk Tool. Two stationary H2-1000 units, onsite truck idling, and truck mobile onsite and offsite trips TAC emissions were calculated. The residential (30-year exposure) cancer, offsite workplace (25-year exposure) cancer, and chronic (non-cancer) risks were assessed and compared to SVJAPCD thresholds.

4.1 Construction Health Risk

Project construction would result in emissions of DPM from heavy construction equipment and trucks accessing the Site. DPM is characterized as a TAC by California. The OEHHA has identified carcinogenic and chronic noncarcinogenic effects from long-term exposure but has not identified health effects due to short-term exposure to diesel exhaust. According to the OEHHA, HRAs, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year

exposure period for the maximally-exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with a project[17]. Thus, the duration of the proposed construction activities would only constitute a small percentage of the total 30-year exposure period. In addition, diesel equipment would also be subject to CARB's Airborne Toxic Control Measures for in-use off-road diesel fleets, which would minimize DPM emissions. Furthermore, the nearest sensitive residential receptor is located more than 4,600 feet from the project site. Overall, based on the above considerations, the proposed project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the proposed project, and impacts would be less than significant.

Air dispersion modeling was performed using the U.S. EPA's AERMOD Version 22112 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 10.1, as required by the SJVAPCD.

Construction truck traffic was modeled as a line of adjacent volume sources from Navy Drive to the project site and truck travel onsite to estimate emissions at proximate receptors. The worker vehicles were modeled as adjacent volume sources onsite. Construction equipment activities were modeled as an area source.

EnSafe analyzed project construction and operation-related risks by estimating ambient air concentrations of TACs. To estimate air concentrations of TAC, EnSafe used AERMOD v21112, a steady-state Gaussian plume model developed by U.S. EPA for regulatory applications, along with AERMAP v18081. AERMOD requires emission source locations and release parameters, receptor locations, and processed meteorological data. An overview of AERMOD input parameters is provided in Table 11. EnSafe used 5 years of preprocessed meteorological data (2013 — 2017) from SJVAPCD for the Stockton Metropolitan Airport, which was the nearest dataset available to the project[18]. Dispersion factors were generated assuming unit emission rates (1 gram per second) for each source group. Ambient air concentration of TACs were then estimated at each receptor by multiplying the dispersion factor by the modeled emission rates from all source groups. The modeled emission rate methodology is described in the next section.

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

[18] SJVAPCD. 2021. Air Quality Modeling: Permitting & CEQA. Available online at: http://www.valleyair.org/busind/pto/tox_resources/airqualitymonitoring.htm#met_data

Table 11
Construction Health Risk Assessment AERMOD Equipment Operation Parameters

Parameters	Details
Meteorological Data	The latest 5-year meteorological data (2013 — 2017) for the Stockton Metropolitan Airport (Station ID 23237), provided by the SJVAPCD, were downloaded then input into AERMOD. For cancer or chronic noncancer risk assessments, the average cancer risk of all years modeled was used.
Urban versus Rural Option	Urban dispersion option was selected due to the dense population of 311,100 people nearby the project area.
Terrain Characteristics	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset with resolution of 1/3 arc-second was used.
Construction Emission Sources and Release Parameters	Air dispersion modeling of operational activities was conducted using the permitted H2-1000 units and non-permitted mobile source diesel particulate exhaust and other TAC emissions generated using EMFAC2021. ROG and PM_{10} emission The TAC emissions were estimated using speciated emission profiles from factors. Gasoline-fueled passenger (employee) vehicles emit negligible TAC emissions and are included in the HRA.
Construction Emission Source Release Characterizations	Emissions from construction trucks and equipment were assigned a release height of 11 feet, which is the approximate average height of the exhaust port plus a nominal amount of plume rise Offsite and onsite truck travel were modeled as a line of adjacent volume sources, and based on EPA methodology, the modeled sources would result in a release height of 3.4 meters, a plume height of 6.8 meters, and a plume width of 9.3 meters. SJVAPCD does not have guidance on construction modeling, therefore construction equipment parameters used were based on BAAQMD's San Francisco Community Risk Reduction Plan-Health Risk Assessment (CRRP-HRA)[19]. According to the CRRP-HRA methodology, release height of a modeled area source representing construction equipment is set to 5 meters and the initial vertical dimension is set to the release height divided by 4.3. The emission rate is set to the unit emission rate of 1 g/s divided by the area of the source.

An HRA was performed to estimate the MICR, chronic HI for residential and offsite worker receptors. Results of the construction HRA are presented in Table 12.

Table 12
Maximum Long-Term Health Risk Impact from Project Construction

Risk	Maximum Cancer Risk (risk per million)	Maximum and 8-hour Chronic Risk (Hazard Index[1])
SJVAPCD Threshold	**20.0**	**1.0**
30-Year MICR Residential Receptor	3.15×10^{-8}	7.96×10^{-7}
25-Year MEI Off-Site Worker Receptor	7.13×10^{-6}	
Significant?	**No**	**No**

[19] San Francisco Department of Public Health. February 2020. San Francisco Citywide Health Risk Assessment: Technical Support Documentation. Available online at: https://www.sfdph.org/dph/files/EHSdocs/AirQuality/Air_Pollutant_Exposure_Zone_Technical_Documentation_2020.pdf

Notes:
Source: Compiled by EnSafe Inc. (December 2022).
1 The Hazard Index is the unitless ratio of the estimated long-term level of exposure to a toxic air contaminant for a potential maximum exposed individual to its reference exposure level.
SJVAPCD = San Joaquin Valley Air Pollution Control District

As these results show, all health risk levels to the nearest residents from project-related emissions of TAC would be well below SCAQMD's HRA thresholds. No significant health risk would occur from construction-related equipment activities and truck traffic and no mitigation is necessary.

4.2 Operation Health Risk

Operational truck traffic was modeled as a line of adjacent volume sources from Navy Drive to the project site and truck travel onsite to estimate emissions at proximate receptors. The employee/maintenance vehicles were modeled as adjacent volume sources onsite. Truck idling at the fuel-loading stations were modeled as a line of adjacent volume sources. Two H2-1000 units were modeled as stationary sources.

EnSafe analyzed project operation-related risks by estimating ambient air concentrations of TACs. An overview of AERMOD input parameters is provided in Table 13.

Table 13
Operational Health Risk Assessment AERMOD Operational Principal Parameters

Parameters	Details
Meteorological Data	The latest 5-year meteorological data (2013 — 2017) for the Stockton Metropolitan Airport (Station ID 23237), provided by the SJVAPCD, were downloaded then input into AERMOD. For cancer or chronic noncancer risk assessments, the average cancer risk of all years modeled was used.
Urban versus Rural Option	Urban dispersion option was selected due to the dense population of 311,100 people nearby the project area.
Terrain Characteristics	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset with resolution of 1/3 arc-second was used.
Emission Sources and Release Parameters	Air dispersion modeling of operational activities was conducted using the permitted H2-1000 units and non-permitted mobile source diesel particulate exhaust and other TAC emissions generated using EMFAC2021. ROG and PM_{10} emission The TAC emissions were estimated using speciated emission profiles from factors. Gasoline-fueled passenger (employee) vehicles emit negligible TAC emissions and are included in the HRA.
Source Release Characterizations	Based on information from the applicant, the project would install two H2-1000 units. Thus, the modeling parameters (i.e., exhaust velocity, exhaust temperature) were obtained from the applicant and manufacturer specifications. The exhaust stack was modeled to have a release height of 8.84 meters, inside stack diameter of 0.254 meters, stack temperature of 615°F, and exhaust flowrate of 0.0223 cubic meters per second.

Table 13 Operational Health Risk Assessment AERMOD Operational Principal Parameters	
Parameters	**Details**
	Offsite and onsite truck travel were modeled as a line of adjacent volume sources, and based on EPA methodology, the modeled sources would result in a release height of 3.4 meters, a plume height of 6.8 meters, and a plume width of 9.3 meters[20]. The truck idling emissions at loading docks were modeled as volume sources with a release height of 4 meters, a plume height of 6.8 meters, and plume width of 3.3 meters[21]. For all truck routes, the release height for heavy-duty trucks was based on half of the plume height. The plume height was equal to the vehicle height multiplied by a factor of 1.7 to account for vehicle-induced turbulence. Heavy-duty trucks had a vehicle height of 4.0 meters, which resulted in a plum height of 6.8 meters. With a plume height of 6.8 meters, the release height was 3.4 meters. The initial vertical dimension was based on the plume height divided by 2.15, which resulted in 3.16 meters.

Notes:
Source: Compiled by EnSafe Inc. (November 2022).
AERMOD = American Meteorological Society/United States Environmental Protection Agency Regulatory Model
TAC = toxic air contaminants
ROG = reactive organic gases
EMFAC = mobile source emission factor model
°F = degree Fahrenheit
SJVAPCD = San Joaquin Valley Air Pollution Control District
PM10 = particulate matter less than 10 microns in size

Regarding receptors, the operational scenario used a coarse Cartesian receptor grid with 100-meter spacing out to 1,000 meters from the project site and either side of the line-volume source. The location of the emission contours surrounding the stationary H2-1000 units exhaust stacks and the anticipated primary truck routes as shown in Figure 5.

An HRA was performed to estimate the MICR, chronic HI for residential and offsite worker receptors. Results of the operational HRA are presented in Table 14.

Table 14 Maximum Long-Term Health Risk Impact from Project Operation		
Risk	**Maximum Cancer Risk (risk per million)**	**Maximum and 8-hour Chronic Risk (Hazard Index[1])**
SJVAPCD Threshold	**20.0**	**1.0**
30-Year MICR Residential Receptor	$<7.03 \times 10^{-11}$	3.38×10^{-7}

[20] SBCAPCD (Santa Barbara County Air Pollution Control District). 2020. Modeling Guidelines for Air Quality Impact Assessments. June 2020. Accessed October 2020. https://www.ourair.org/wp-content/uploads/aqia.pdf.

[21] EPA. 2015. "Transportation Conformity Guidance for Quantitative Hotspot Analyses of PM2.5 and PM10 Nonattainment and Maintenance Areas."

Table 14 Maximum Long-Term Health Risk Impact from Project Operation		
Risk	**Maximum Cancer Risk (risk per million)**	**Maximum and 8-hour Chronic Risk (Hazard Index[1])**
25-Year MEI Offsite Worker Receptor	$<6.44x10^{-11}0$	
Significant?	**No**	**No**

Notes:
Source: Compiled by EnSafe Inc. (December 2022).
1 The Hazard Index is the unitless ratio of the estimated long-term level of exposure to a toxic air contaminant for a potential maximum exposed individual to its reference exposure level.
SJVAPCD = San Joaquin Valley Air Pollution Control District
MICR = Maximum Individual Cancer Risk
MEI = Maximum Exposed Individual
< = less than

As these results show, all health risk levels to the nearest residents from project-related emissions of TAC would be well below SCAQMD's HRA thresholds. No significant health risk would occur from project-related truck traffic and no mitigation is necessary. Appendix C provides the HARP modeling reports and AERMOD information.

5.0 ODOR ASSESSMENT

The analysis of the project's potential to result in other emissions is focused on potential odor impacts. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicle and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Furthermore, SJVAPCD Rule 4641 limits the amount of VOC emissions from cutback asphalt. Thus, any potential odors generated during asphalt paving would be regulated through mandatory compliance with SJVAPCD rules. Therefore, impacts associated with odors during construction would be less than significant.

Hydrogen gas is colorless, odorless, and non-toxic. Because hydrogen is much lighter than the ambient air, it dissipates rapidly when it is released, allowing for relatively rapid dispersal of the fuel in case of a leak. The facility itself would not generate odors during operation. A low number of diesel truck travel onsite and offsite would release diesel particulates that may be odorous during operation, which would dissipate rapidly when it is released. Therefore, project operations would result in odor impacts that are less than significant.

The nearest residential receptors are located in the following areas relative to the project site:

- North and northeast (approximately 0.87 miles from the project site boundary, across the river)
- East (approximately 1.1 miles from the project site boundary, near Ventura Avenue and Washington Street)
- Southeast (approximately 1.2 miles from the project site boundary, near Volpi Drive and McCloud River Road)

Evaluation of Odor Impacts

SJVAPCD has not developed a screening distance level for hydrogen fueling facility, which indicates that SMRs, hydrogen fueling, and transfers are not a common source of odors.

EnSafe also evaluated the location of nearby sensitive receptors relative to predominant winds. Figure 6 shows the locations of nearby residences along with a 5-year (2013-2017) wind rose from Stockton Metropolitan Airport, which is located approximately 7 miles southeast of the project site. As indicated by the wind rose, the predominant winds are from the northwest, west-northwest, and west. As shown on Figure 6, the nearest residences in these predominant wind directions are distant from the project site. Specifically, the community to the southeast is nearly 1.7 miles away, and the community to the east is over 1.5 miles away. Given that these residences are more than 1 mile away (the shortest screening buffer distance published by SJVAPCD for even the most common odor-causing sources), it seems unlikely that odors from the proposed project would result in nuisance complaints from these residents.

Figure 6 shows the wind rose from data measured at this station and shows the wind patterns for the project area.

While residences to the north/northwest and the single residence to the southwest are closer (0.6 miles and 0.5 miles respectively), those locations would be located downwind of the project site on a very infrequent basis, and are therefore, unlikely to experience nuisance odors from the project.

Project Odors

The project site is not expected to be a large source of objectionable odors.

6.0 CONCLUSION

The analysis presented above represents emissions and health risk impacts from construction and operation of the proposed project. The project does not exceed any SJVAPCD CEQA significance thresholds for criteria pollutants and GHG emissions and does not exceed any health risk significance thresholds.

Figures

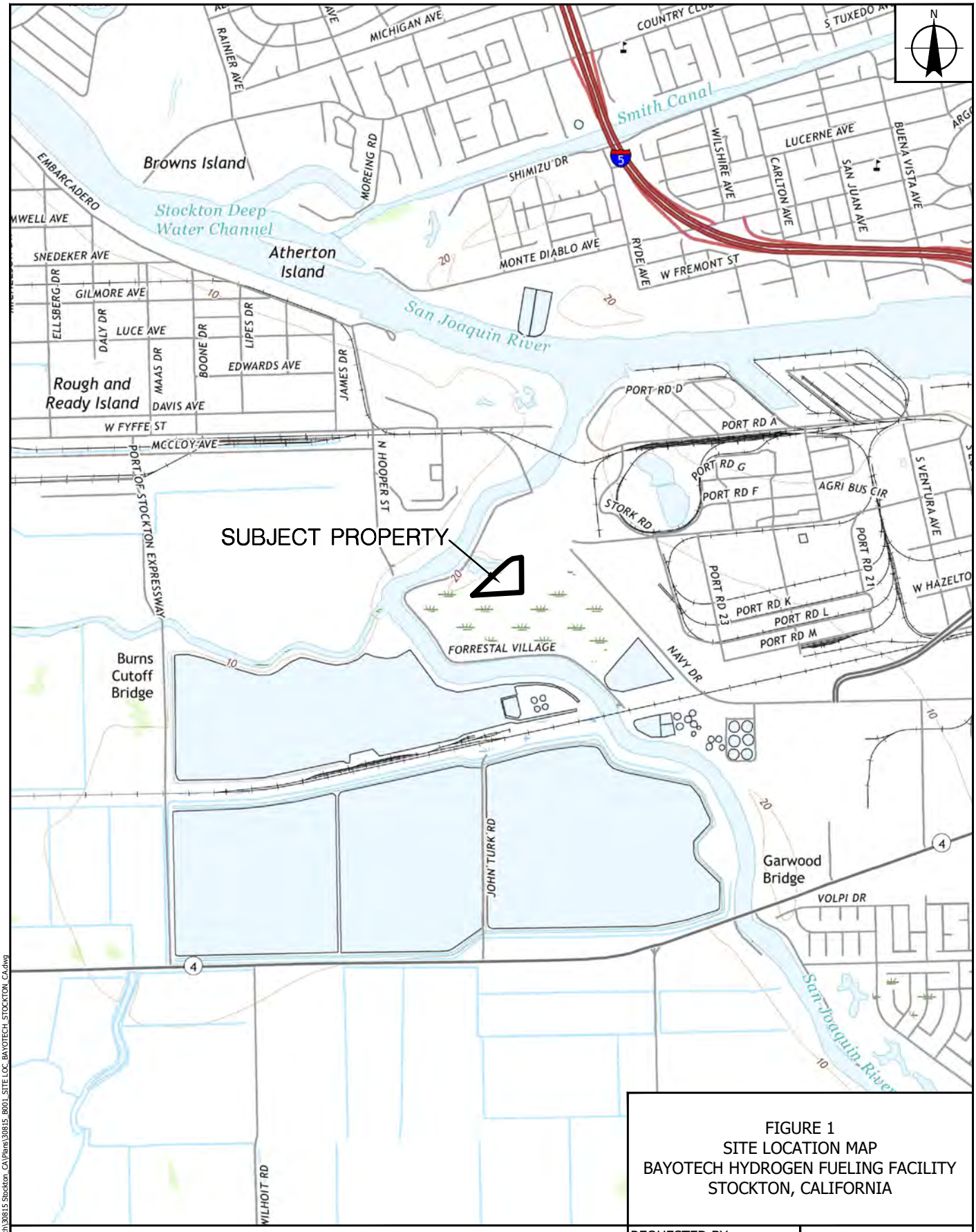


FIGURE 1
SITE LOCATION MAP
BAYOTECH HYDROGEN FUELING FACILITY
STOCKTON, CALIFORNIA

NAD 1983
UTM 10 NORTH

0 1,000 2,000
SCALE IN FEET

REQUESTED BY:	MS
DRAWN BY:	KMB
DATE:	1/31/2022
PROJECT:	0888830815

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Source: U.S. Geological Survey. Holt and Stockton West Quadrangles, California [Map]. Photorevised 2018. 1:24,000. 7.5 Minute Series.

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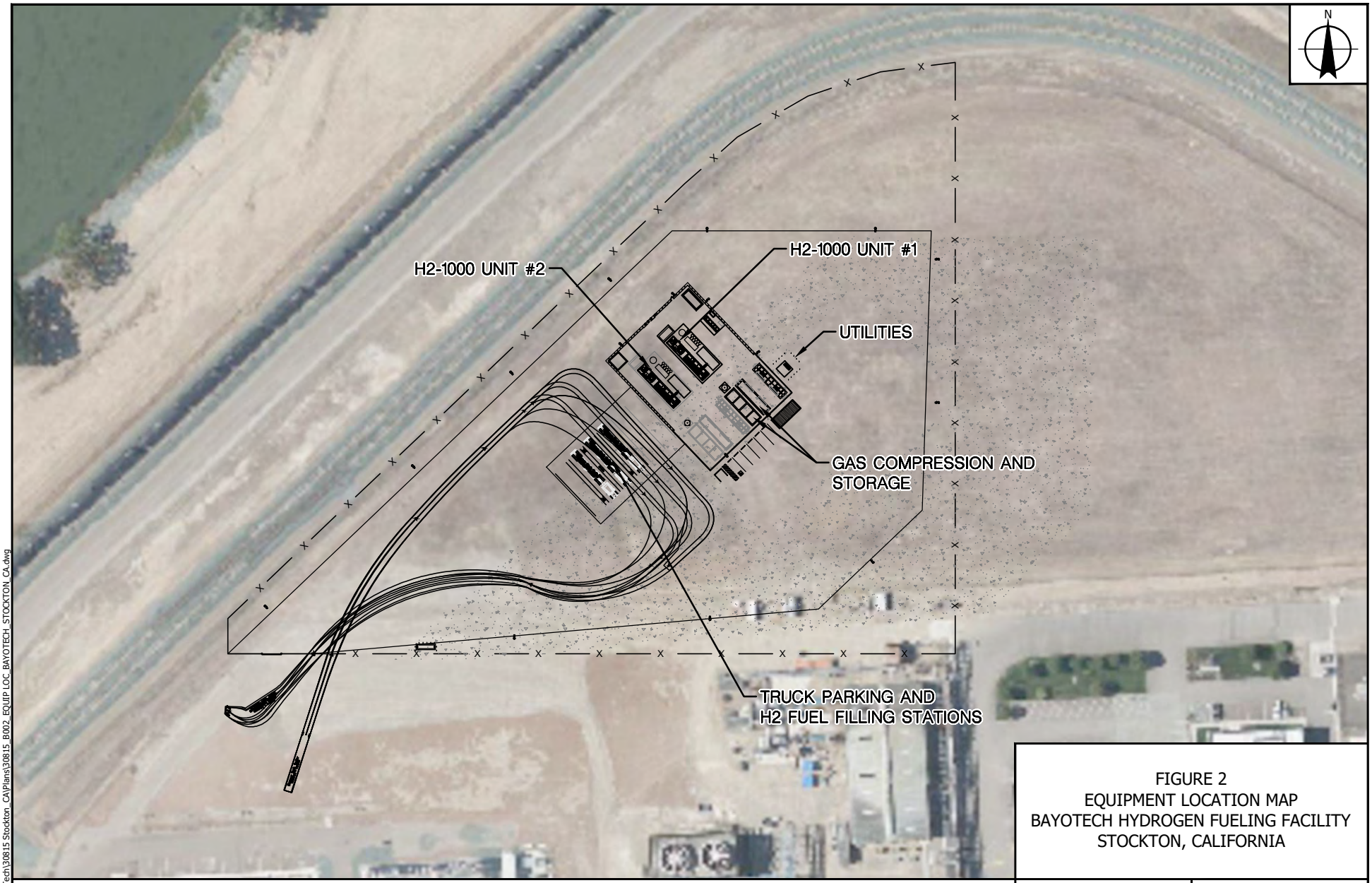


FIGURE 2
EQUIPMENT LOCATION MAP
BAYOTECH HYDROGEN FUELING FACILITY
STOCKTON, CALIFORNIA

LEGEND

APPROXIMATE SUBJECT PROPERTY BOUNDARY

NAD 1983 STATE PLANE
CALIFORNIA ZONE III FEET

0 70 140

SCALE IN FEET

REQUESTED BY:	MS
DRAWN BY:	KMB
DATE:	4/08/2022
PROJECT:	0888830815

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FIGURE 3
SCHOOL RADIUS MAP
BAYOTECH HYDROGEN FUELING FACILITY
STOCKTON, CALIFORNIA

LEGEND

APPROXIMATE SUBJECT PROPERTY BOUNDARY

NAD 1983 STATE PLANE
CALIFORNIA ZONE III FEET

0 500 1,000

SCALE IN FEET

REQUESTED BY:	MS
DRAWN BY:	KMB
DATE:	3/08/2022
PROJECT:	0888830815

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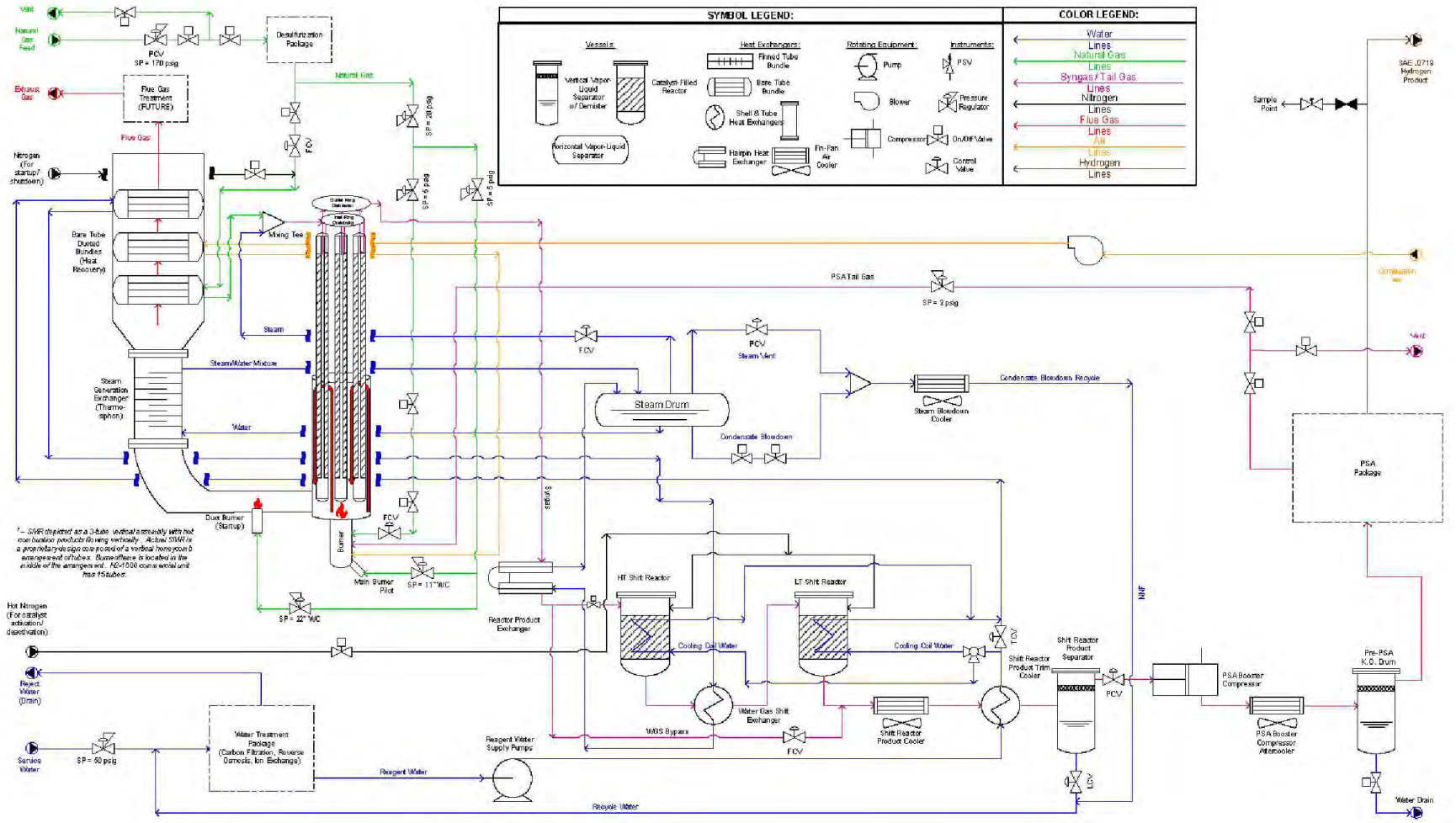


FIGURE 4
PROCESS FLOW DIAGRAM
BAYOTECH HYDROGEN FUELING FACILITY
STOCKTON, CALIFORNIA

REQUESTED BY:	MS
DRAWN BY:	KMB
DATE:	1/31/2022
PROJECT:	0888830815

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I:\CAD PROJECTS\BayoTech\30815 Stockton_CA\Plans\30815_B004_FLOW DIAGRAM_BAYOTECH_STOCKTON_CA.dwg



FIGURE 5
LOCATION OF RESIDENTIAL AND
OFF-SITE WORKER RECEPTORS
BAYOTECH HYDROGEN FUELING FACILITY
3034 NAVY DRIVE, STOCKTON, CALIFORNIA

LEGEND
- RECEPTOR POINTS
- RESIDENTIAL AREAS

NAD 1983 STATE PLANE
CALIFORNIA III FEET

0 1,000 2,000
SCALE IN FEET

REQUESTED BY:	MS
DRAWN BY:	MS
DATE:	11/30/2022
PROJECT:	0888830815

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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

X:\BayoTech\ReceptorMap.mxd

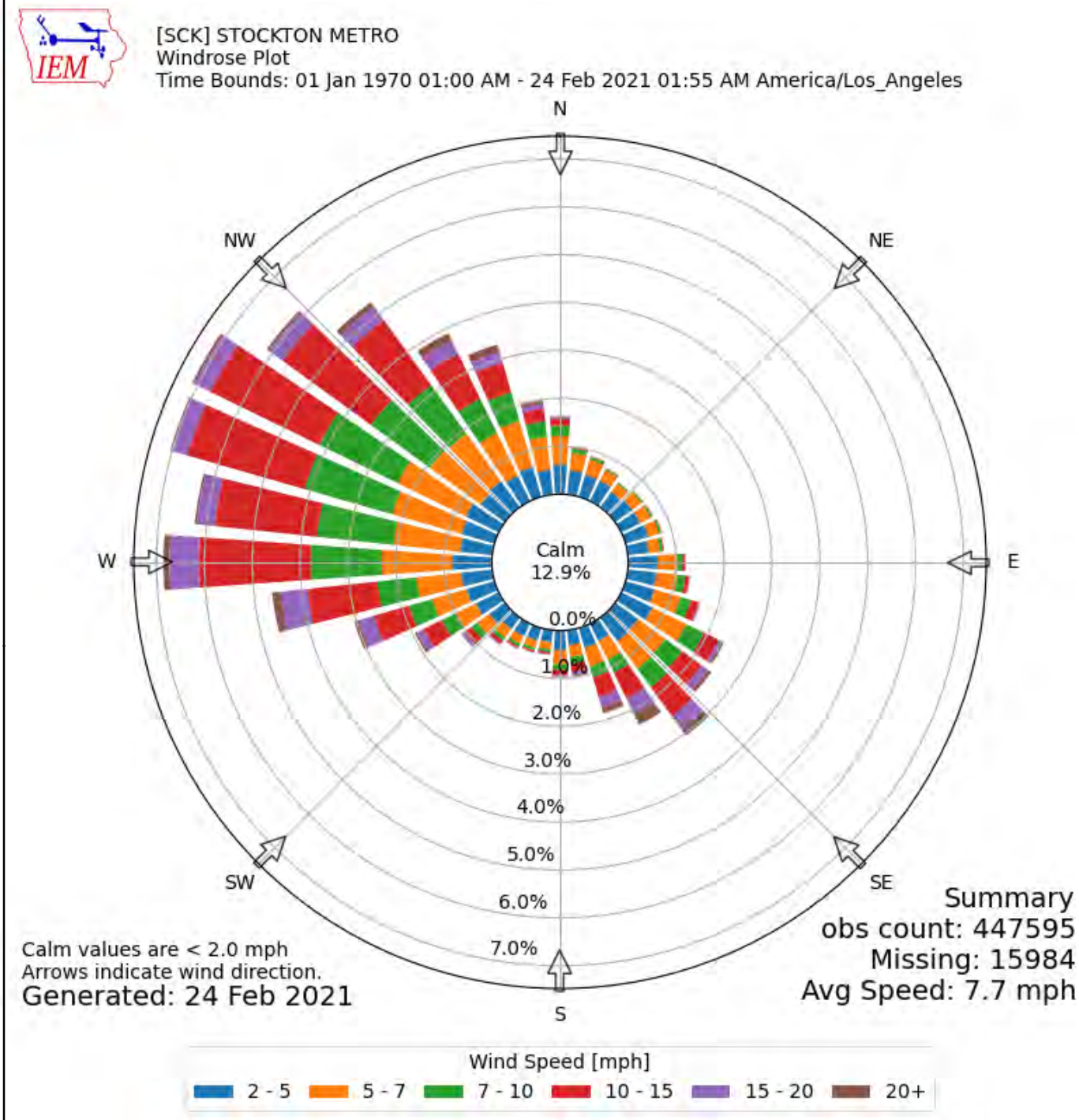


FIGURE 6
PROJECT AREA WIND PATTERNS
BAYOTECH HYDROGEN FUELING FACILITY
3034 NAVY DRIVE
STOCKTON, CALIFORNIA

REQUESTED BY:	MS
DRAWN BY:	RK
DATE:	9/22/2022
PROJECT:	0888830815

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Appendix A
Emission Calculations and CalEEMod Model Output Files

BayoTech
Estimated Emissions in a single H2-1000 Unit

Steam Methane Reformer	
Make	BayoTech
Model Number	H2-1000
Number of SMR Unit	1
Natural Gas Flow Rate (scf/min)	132.80
Air Flow Rate (scf/min)	45.59
Water flow rate (gal/day)	2,937
Flue Gas Emission Rate (lb/day)	104,425
Flue Gas Emission Rate (lb/hr)	4,351

Low NOx Burner	
Maximum Heat Input (MMBtu/hr)	4.00
Air Flow Rate (scf/min)	45.59
Natural Gas Flow Rate @18.85% (scf/min)	25.03
Maximum Natural Gas Usage (MMscf/year)	34.35

SMR Reactor	
Natural Gas Flow Rate @ 81.15% (scf/min)	107.77
Water flow rate (gal/day)	2,937
Tail Gas Flow Rate (lb/day)	17,300

Constants	
Max. hours of operation (hours/year)	8,760
Fuel	natural gas
Heating value (Btu/scf)	1,020

Total Emission Rates for one H2-1000 unit using BayoTech Data

Criteria Pollutant	Emission Factor (ppmw)[1]	Potential Criteria Pollutant Emissions			
		lb/hr	lb/day	lb/yr	tons/year
NO_x	5	0.022	0.52	191	0.095
CO	76	0.331	7.94	2,897	1.448
VOC	5	0.022	0.52	191	0.095
PM/PM_{10}	7	0.030	0.73	267	0.133
SO_2	0.6	0.002	0.06	21	0.010
Max Single HAP (Hexane)	1.6	0.007	0.17	61	0.030
Total HAP	1.7	0.007	0.17	63	0.032

Greenhouse Gas Emissions	Emission Factor (ppmw)[3]	Potential GHG Emissions					
		lb/hr [1]	lb/day	lb/yr	Metric tons/year	GWP[4]	Metric tons/year
CO_2	219000	953	22,869	8,347,212	3,786	1	3,786.23
CH_4	2	0.01	0.24	88	0.04	25	0.99
N_2O	1	0.00	0.06	23	0.01	298	3.09
							3,790.32

Notes:

(1) BayoTech H2-1000 Unit Emission Data Sheet with Low NOx Burner and SCR device. October 7, 2022

(2) Based on U.S. EPA AP-42 Section 1.4, Table 1.4-1. and Table 1.4-2 for Natural Gas Combustion

(3) GHG emission factors are based on BayoTech H2-1000 Unit Emission Data

(4) GHG resultant values includes the 100-yr global warming potential (GWP) values from the IPCC second assessment report (SAR) and fourth assessment report (AR4).

For comparison purposes: Emission Rates for one H2-1000 Unit using EPA AP-42 E.F. (NG Combustion Emissions)

Pollutant	Emission Factor (lb/MMscf)[1]	Potential Criteria Pollutant Emissions			
		lb/hr	lb/day	lb/yr	tons/year
NO_x [2]	6	0.02	0.53	192	0.10
CO	84	0.33	7.91	2,886	1.44
SO_2	0.6	0.00	0.06	21	0.01
VOC	5.5	0.02	0.52	189	0.09
PM/PM_{10}	7.6	0.03	0.72	261	0.13
Max Single HAP (Hexane)	1.8	0.01	0.17	62	0.03
Total HAP	1.89	0.01	0.18	65	0.03

Greenhouse Gas Emissions	Emission Factor (lb/MMscf)[1]	Potential GHG Emissions					
		lb/hr	lb/day	lb/yr	Metric tons/year	GWP	Metric tons/year
CO_2	120,000	471	11,294	4,122,353	1,870	1	1,869.87
CH_4	2.3	0.01	0.22	79	0.04	25	0.90
N_2O	0.6	0.00	0.06	21	0.01	298	2.79
							1,873.55

Notes:

(1) All NG combustion through Low NOx Burner were obtained from AP-42 Section 1.4, Table 1.4-1. and Table 1.4-2 for Natural Gas Combustion

(2) Based on U.S. EPA AP-42 Section 1.4, Table 1.4-1. and Table 1.4-2 for Natural Gas Combustion - Controlled Low NOx burners for small furnace (<100 MMBtu/hr heat input).

(3) GHG resultant values includes the 100-yr global warming potential (GWP) values from the IPCC second assessment report (SAR) and fourth assessment report (AR4).

Steam Methane Reformer Start-up	
Make	BayoTech
Model Number	H2-1000
Number of SMR Unit	1
Nitrogen Flow Start-up (scf/mi	105
Air Flow Rate (scf/min)	46
Water flow rate (gal/min)	1.7
Natural Gas Flow Rate (scf/mi	129.90

Note: Nitrogen is used during start-up purge process (until all oxygen is removed and prior to lighting the burner) for up to 4 hours (total 25,200 SCF N_2).

Emissions from the SMR start-up venting are summarized Table below.
With the exception of CO, none of the vented gases are criteria pollutants.

Maximum Potential to Emit Project Start-up Venting Emissions (one H2-1000 unit)		
Syngas Component	Pounds per Day[1]	Tons per Year[2]
Hydrogen (H_2)	4.88	0.03
Methane (CH_4)	11.1	0.07
Carbon Dioxide (CO_2)	125.08	0.75
Carbon Monoxide (CO)	2.58	0.02
Nitrogen (N_2)	130.62	0.78
Water vapor (H_2O)	0.62	0.00

Source: BayoTech H2-1000 Emission Start-up Data for one unit, October 2022.

Notes:

1. Daily emission rates based on one start-up per month, 11,583 (standard cubic foot) of syngas venting per hour, and 12 hours venting per startup.

2. Annual emissions based on 12 start-ups per plant per year and 12 hours of venting per start-up.

SMR Start-up venting with two H2-1000 Units

Maximum Potential to Emit Project Start-up Venting Emissions (two H2-1000 unit)				
Syngas Component	Pounds per Day[1]	Tons per Year[2]	**GWP[(4)]**	**Metric tons/year**
Hydrogen (H_2)	9.76	0.06		
Methane (CH_4)	22.2	0.13	25	3.02
Carbon Dioxide (CO_2)	250.16	1.50	1	1.36
Carbon Monoxide (CO)	5.16	0.03		**4.38**
Nitrogen (N_2)	261.24	1.57		
Water vapor (H_2O)	1.24	0.01		

Notes: BayoTech H2-1000 Emission Start-up Data for two units, October 2022.

NATURAL GAS STEAM METHANE REFORMER DATA **BayoTech H2-1000 Stockton**

Max burner rating	4	MMBtu/hr
Equipment w/ SNCR, SCR, or OTHER	SCR	Assume 90% control effiency
Fuel HHV	1050	btu/ft³
Fuel rate	3.81E+03	ft³/hr
MMCF fuel rate	3.81E-03	mmcf/hr

Compound *	EF (*) (lbs/mmcf)	R1 (Uncontrolled) (lbs/hr)	R2 (Controlled) (lbs/hr)	Toxic NSR Entry (E-06 lbs/hr)	
				R1 (Uncontrolled)	R2 (Controlled)
Acetaldehyde	4.30E-03	1.64E-05	1.64E-06	16.38	1.64
Acrolein	2.70E-03	1.03E-05	1.03E-06	10.29	1.03
Ammonia	9.10E+00	3.47E-02	3.47E-03	34,666.67	3,466.67
Benzene	8.00E-03	3.05E-05	3.05E-06	30.48	3.05
Ethyl Benzene	9.50E-03	3.62E-05	3.62E-06	36.19	3.62
Formaldehyde	1.70E-02	6.48E-05	6.48E-06	64.76	6.48
n-Hexane	6.30E-03	2.40E-05	2.40E-06	24.00	2.40
Polycyclic Aromatic Hydrocarbon (PAH)	1.00E-04	3.81E-07	3.81E-08	0.38	0.04
Naphthalene	3.00E-04	1.14E-06	1.14E-07	1.14	0.11
Toluene	3.66E-02	1.39E-04	1.39E-05	139.43	13.94
Xylenes (Mixed Isomers)	2.72E-02	1.04E-04	1.04E-05	103.62	10.36

* Data from SJVAPCD AB 2588 “Hot Spots” Air Toxics Profiles - March 27, 2017,
NG<10 MMBtu/Hr External Combustion District Toxic Profile ID #3.

Source: The emission factors are from the table, "Natural Gas Fired External Combustion Equipment" in the May 2001 update of VCAPCD AB 2588 Combustion Emission Factors.

Compound *	CAS #	Steam Methane Reformer *		
		<10 mmbtu/hr	10-100 mmbtu/hr	>100 mmbtu/hr
		EF(lbs/mmcf)	EF(lbs/mmcf)	EF(lbs/mmcf)
Acetaldehyde	75-07-0	4.30E-03	3.10E-03	9.00E-04
Acrolein	107-02-8	2.70E-03	2.70E-03	8.00E-04
Ammonia	7664-41-7	9.10E+00	9.10E+00	9.10E+00
Benzene (including from gasoline)	71-43-2	8.00E-03	5.80E-03	1.70E-03
Ethyl benzene	100-41-4	9.50E-03	6.90E-03	2.00E-03
Formaldehyde	50-00-0	1.70E-02	1.23E-02	3.60E-03
Hexane (n-)	110-54-3	6.30E-03	4.60E-03	1.30E-03
Polycyclic Aromatic Hydrocarbons (PAHs)	1151	1.00E-04	1.00E-04	1.00E-04
Napthalene	91-20-3	3.00E-04	3.00E-04	3.00E-04
Toluene (methyl benzene)	108-88-3	3.66E-02	2.65E-02	7.80E-03
Xylenes (isomers and mixtures)	1330-20-7	2.72E-02	1.97E-02	5.80E-03

* Data from SJVAPCD AB 2588 “Hot Spots” Air Toxics Profiles - March 27, 2017
External Combustion District Toxic Profile ID #3 (NG<10MMBtu/hr), #6 (NG 10-100 MMBtu/hr, and #9 > 100 MMBtu/hr.

CONTROL	Ammonia EF (lb/mmcf)
SNCR	18
SCR	9.1
OTHER	3.2

Source: South Coast AQMD Risk Assessment Procedures v8.1, Version 8.1, dated September 1, 2017.
Ammonia emission factor value corresponds to equipment with SCR, whereas NH3 emission is assumed to generate up to 9.1 lbs/mmscf.

BayoTech Hydrogen Fueling Facility Project

Assumed Project Average Daily Trip Generation

Land Uses	Number of vehicles	PCE	ADT
Trip Generation (Cars)	3	1	6
Trip Generation (2-Axle Trucks)	0	0	0
Trip Generation (3-Axle Trucks)	0	0	0
Trip Generation (4+ Axle Trucks)	10	1.5	30
Trips/Unit (Total)	13	--	36

Note: Vehicle trip estimates provided by BayoTech 2022.

Revised Truck and Employee Vehicle Trips Information

With Customer Included		Assumptions	Assumptions		
Miles per vehicle trip	Total Truck Fleet percentage	Number of one-way Truck Trips	Number of employees/maintenance One-way Trip	Number of vehicle trips per day	VMT per day (roundtrips included)
200	30%	3	--	2	1,800
150	50%	5	--	2	2,250
50	20%	2	--	2	300
--	--	10	--	--	--
20	100%	--	3	2	120
--	--	--	--	Total VMT per day	4,470

Note: Vehicle mile traveled estimates provided by BayoTech 2022.

Total Annual VMT	1,631,550

Fleet Type	Average Trip Rate one-way trips/day	Average Trip Length miles/one-way trip	Number of one-way Truck Trips	Annual Trips one-way trips/day	Annual VMT miles/year
Trucks	2	200	3	3,285	657,000
Trucks	2	150	5	5,475	821,250
Trucks	2	50	2	2,190	109,500
Employee vehicles	2	20	3	2,190	43,800
					1,631,550

BayoTech Hydrogen Fueling Facility Project

Facility	Hours per day Trucks Operate	Total Trucks per Day	Trucks per Hour	Diesel Idle Exhaust PM_{10} (gm/vh-hr)[1]	Diesel Idle Exhaust $PM_{2.5}$ (gm/vh-hr)[1]	Operating Time (min/trip)[2]	Idle Exhaust Diesel PM_{10} (gm/hr)	Idle Exhaust Diesel $PM_{2.5}$ (gm/hr)
Truck Main Engine	24	10	0.42	1.42E-02	1.36E-02	15	1.48E-03	1.41E-03

Number of Sources[3]	Diesel PM10 lb/hr	Diesel PM10 lb/yr	Diesel PM2.5 lb/hr	Diesel PM2.5 lb/yr
4	8.15E-07	2.98E-04	7.80E-07	2.85E-04

Notes:

[1] Source: EMFAC2021 project-level (PL) idling emission factors for 2022 HHDT.

[2] It is assumed that each truck idles for 15 minute per trip to account for multiple stops, i.e. at an entry check-in, loading/unloading and miscellaneous tasks.

[3] Up to maximum of 4 delivery tank trucks can be filled with H_2 at any time.

Diesel Idle Exhaust ROG (gm/vh-hr)[1]	Operating Time (min/trip)[2]	Idle Exhaust Diesel ROG (lb/hr)	Idle Exhaust Diesel ROG (lb/yr)
9.89E-02	15	2.27E-05	8.29E-03

Speciated Emissions Rates

		lb/yr	lb/hr
1,3-butadiene	0.0055	4.56E-05	1.25E-07
benzene	0.02636	2.19E-04	5.98E-07
ethylbenzene	0.01072	8.89E-05	2.43E-07
MEK	0.00019	1.58E-06	4.31E-09
naphthalene	0.00048	3.98E-06	1.09E-08
propylene	0.03128	2.59E-04	7.10E-07
styrene	0.00126	1.04E-05	2.86E-08
toluene	0.0588	4.88E-04	1.33E-06
m & p-xylene	0.0364	3.02E-04	8.26E-07
acetaldehyde	0.07353	6.10E-04	1.67E-06
formaldehyde	0.14714	1.22E-03	3.34E-06

Speciation Profiles for PM10

Notes:a. Profiles No. 42514 is associated with diesel IC engines and therefore were only used for the determination of cancer risk and the chronic hazard index, DPM emissions were used without speciation because CARB provides toxicity factors for DPM as a whole.

Speciation Profiles for VOC

Notes: a. Profile No. 818 is associated with diesel IC engines for 9 mobile source air toxics compounds. b. The speciation profiles were originally expressed by CARB as total organic gas (TOG) profiles; they were converted to VOC profiles by dividing by the fraction VOC provided with each profile. c. Only TACs that have OEHHA/CARB toxicity factors are shown in the table.

BayoTech Hydrogen Fueling Facility Project

Operational off-site Travel within 1,000 feet from Facility.

Off-site travel		One-way Trip by Vehicle Category[1]				Percent of traffic on this road			
Trucks In-bound to Facility		LDV[2]	2-Axle[3]	3-Axle[4]	4+-Axle[5]	100%			
		3	0	0	10				
		% of Vehicles That Are Diesel-Powered[5]							
Average Speed		0.2%	2%	96%	100%				
		Brake Wear PM10 & PM2.5 Emissions at 35 mph (g/mi)6							
35 mph	PM_{10}	1.32E-02	1.49E-02	4.16E-02	1.15E-01				
	$PM_{2.5}$	4.62E-03	5.22E-03	1.46E-02	4.01E-02				
		Diesel Exhaust PM10 & PM2.5 Emissions at 35 mph (g/mi)6							
	PM_{10}	1.75E-02	7.95E-03	1.65E-02	1.28E-02				
	$PM_{2.5}$	1.68E-02	7.61E-03	1.58E-02	1.22E-02				
AERMOD Total distance covered by Off-site travel driveway sources		% of Vehicles That Are Gasoline-Powered[5]				AERMOD			
		100%	98%	4%	0.0%				
		Gasoline Exhaust ROG Emissions at 35 mph (g/mi)6				**Number**			
	ROG	0.0115	2.48E-02	1.17E-01	2.95E+00	**of**	**Emission Rates per source**		
		PM_{10}, $PM_{2.5}$ & ROG Emissions (g/s)				**Sources**	**g/s**	**lb/hr**	**lb/yr**
1,175 meters	PM_{10}	3.36E-07	0.00E+00	0.00E+00	1.08E-05	126	8.8E-08	7.0E-07	6.13E-03
	$PM_{2.5}$	1.18E-07	0.00E+00	0.00E+00	4.42E-06	126	3.6E-08	2.9E-07	2.51E-03
	ROG	2.90E-07	0.00E+00	0.00E+00	2.80E-08	126	2.5E-09	2.0E-08	1.76E-04

Speciated Emissions Rates for HARP2 input

	weight fraction	lb/yr	lb/hr
diesel part.	--	6.13E-03	6.99E-07
PM2.5	--	2.51E-03	2.86E-07
1,3-butadiene	0.0019	3.34E-07	3.81E-11
benzene	0.02000998	3.51E-06	4.01E-10
ethylbenzene	0.07353	1.29E-05	1.47E-09
MEK	0.01476998	2.59E-06	2.96E-10
naphthalene	0.00085	1.49E-07	1.70E-11
propylene	0.02596998	4.56E-06	5.20E-10
styrene	0.00058	1.02E-07	1.16E-11
toluene	0.01473	2.59E-06	2.95E-10
m & p-xylene	0.00706	1.24E-06	1.41E-10
acetaldehyde	0.07353	1.29E-05	1.47E-09
formaldehyde	0.14714	2.58E-05	2.95E-09

[1] AADT from project trip generation rates provided by BayoTech

[2] LDV assumed to LDA (Passenger Cars)

[3] 2 axle trucks are assumed to be MDV (Medium-Duty Truck GVW=5,574-8,500 lbs.)

[4] 3 axle trucks are assumed to be MHDT (Medium-Heavy Duty Truck GVW=14,001-33,000 lbs.)

[5] 4+ axle trucks are assumed to be HHDT (Heavy-Heavy Duty Truck GVW=33,001-60,000 lbs.)

[6] Source: EMFAC2017 fleet percentages.

[7] Source: EMFAC2021 emission factors for 2022 (model year aggregate).

[8] CARB, 2022. Speciation Profiles Used in ARB Modeling. The following files were used: orgprofile20jun22.xlsx, fraction20jun22.xlsx, pmchemprofile20jun22.xlsx, and pmsizeprofile20jun22.xlsx. Oct 15.

Website: https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling

Speciation Profiles for PM10

Notes:a. Profiles No. 42514 is associated with diesel IC engines and therefore were only used for the determination of cancer risk and the chronic hazard index,

DPM emissions were used without speciation because CARB provides toxicity factors for DPM as a whole.

Speciation Profiles for VOC

Notes: a. Profile No. 818 is associated with diesel IC engines for 9 mobile source air toxics compounds. b. The speciation profiles were originally expressed by CARB as total organic gas (TOG) profiles;

they were converted to VOC profiles by dividing by the fraction VOC provided with each profile. c. Only TACs that have OEHHA/CARB toxicity factors are shown in the table.

BayoTech Hydrogen Fueling Facility Project

Off-site travel		One-way Trip by Vehicle Category[1]							
Trucks Out-bound from Facility		LDV[2]	2-Axle[3]	3-Axle[4]	4+-Axle[5]				
		3	0	0	10				
		% of Vehicles That Are Diesel-Powered[5]							
Average Speed		0.2%	2%	96%	100%				
		Brake Wear PM10 & PM2.5 Emissions at 35 mph (g/mi)6							
35 mph	PM_{10}	1.32E-02	1.49E-02	4.16E-02	1.15E-01				
	$PM_{2.5}$	4.62E-03	5.22E-03	1.46E-02	4.01E-02				
		Diesel Exhaust PM10 & PM2.5 Emissions at 35 mph (g/mi)6							
	PM_{10}	0.0175	7.95E-03	1.65E-02	1.28E-02				
	$PM_{2.5}$	0.0168	7.61E-03	1.58E-02	1.22E-02				
		% of Vehicles That Are Gasoline-Powered[5]							
Total distance covered by Off-site travel driveway sources		100%	98%	4%	0.0%				
		Gasoline Exhaust ROG Emissions at 35 mph (g/mi)6				**Number**			
	ROG	0.0115	2.48E-02	1.17E-01	2.95E+00	**of**	**Emission Rates per source**		
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)				**Sources**	**g/s**	**lb/hr**	**lb/yr**
1,129 meters	PM_{10}	1.11E-07	1.07E-07	1.07E-07	3.42E-06	121	3.1E-08	2.5E-07	2.15E-03
	$PM_{2.5}$	4.07E-08	1.18E-07	1.18E-07	3.29E-06	121	2.9E-08	2.3E-07	2.05E-03
	ROG	2.79E-07	0.00E+00	0.00E+00	2.69E-08	121	2.5E-09	2.0E-08	1.76E-04

Percent of traffic on this road

100%

Speciated Emissions Rates for HARP2 input

		lb/yr	lb/hr
diesel part.	--	2.15E-03	2.45E-07
PM2.5	--	2.05E-03	2.34E-07
1,3-butadiene	0.0055	9.66E-07	1.10E-10
benzene	0.02636	4.63E-06	5.28E-10
ethylbenzene	0.01072	1.88E-06	2.15E-10
MEK	0.00019	3.34E-08	3.81E-12
naphthalene	0.00048	8.43E-08	9.62E-12
propylene	0.03127998	5.50E-06	6.27E-10
styrene	0.00126	2.21E-07	2.53E-11
toluene	0.05879998	1.03E-05	1.18E-09
m & p-xylene	0.03639998	6.39E-06	7.29E-10
acetaldehyde	0.07353	1.29E-05	1.47E-09
formaldehyde	0.14714	2.58E-05	2.95E-09

[1] AADT from project trip generation rates provided by BayoTech

[2] LDV assumed to LDA (Passenger Cars)

[3] 2 axle trucks are assumed to be MDV (Medium-Duty Truck GVW=5,574-8,500 lbs.)

[4] 3 axle trucks are assumed to be MHDT (Medium-Heavy Duty Truck GVW=14,001-33,000 lbs.)

[5] 4+ axle trucks are assumed to be HHDT (Heavy-Heavy Duty Truck GVW=33,001-60,000 lbs.)

[6] Source: EMFAC2017 fleet percentages.

[7] Source: EMFAC2021 emission factors for 2022 (model year aggregate).

[8] CARB, 2022. Speciation Profiles Used in ARB Modeling. The following files were used: orgprofile20jun22.xlsx, fraction20jun22.xlsx, pmchemprofile20jun22.xlsx, and pmsizeprofile20jun22.xlsx. Oct 15.

Website: https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling

Speciation Profiles for PM10

Notes:a. Profiles No. 42514 is associated with diesel IC engines and therefore were only used for the determination of cancer risk and the chronic hazard index,

DPM emissions were used without speciation because CARB provides toxicity factors for DPM as a whole.

Speciation Profiles for VOC

Notes: a. Profile No. 818 is associated with diesel IC engines for 9 mobile source air toxics compounds. b. The speciation profiles were originally expressed by CARB as total organic gas (TOG) profiles;

they were converted to VOC profiles by dividing by the fraction VOC provided with each profile. c. Only TACs that have OEHHA/CARB toxicity factors are shown in the table.

Construction Average Annual and Hourly Emissions and Emission Rates

On-site Construction PM10 Exhaust Emissions

Year	CalEEMod Annual PM10 Exhaust Emissions (Tons/year)	CalEEMod # of Construction Days/Year	# of days/Year	# of days/30-Year	# of hours/30-Year	Annual PM10 Exaust Emissions (Lbs/year)	30 yr Avg PM10 Exaust Emissions (Lbs/cumulative year)
2023	0.00232	116	365	10,950	262,800	4.64	0.0004

Source: CalEEMod Model 2022.1 output files with annual PM10 exhuast emissions during calendar year 2023.

30 yr Avg Hourly Construction Emissions (lbs/cumulative hour)
1.61242E-09

BayoTech Hydrogen Fueling Facility Project

Construction off-site Travel within 1,000 feet from Facility.

Off-site travel Trucks In-bound to Facility		One-way Trip by Vehicle Category[1]			
		LDV[2]	2-Axle[3]	3-Axle[4]	4+-Axle[5]
		28	0	0	40
		% of Vehicles That Are Diesel-Powered[5]			
Average Speed		0.2%	2%	96%	100%
		Brake Wear PM10 & PM2.5 Emissions at 35 mph (g/mi)6			
35 mph	PM_{10}	1.32E-02	1.49E-02	4.16E-02	1.15E-01
	$PM_{2.5}$	4.62E-03	5.22E-03	1.46E-02	4.01E-02
		Diesel Exhaust PM10 & PM2.5 Emissions at 35 mph (g/mi)6			
	PM_{10}	1.75E-02	7.95E-03	1.65E-02	1.28E-02
	$PM_{2.5}$	1.68E-02	7.61E-03	1.58E-02	1.22E-02
AERMOD Total distance covered by Off-site travel driveway sources		% of Vehicles That Are Gasoline-Powered[5]			
		100%	98%	4%	0.0%
		Gasoline Exhaust ROG Emissions at 35 mph (g/mi)6			
	ROG	0.0115	2.48E-02	1.17E-01	2.95E+00
		PM_{10}, $PM_{2.5}$ & ROG Emissions (g/s)			
1,175 meters	PM_{10}	4.30E-07	0.00E+00	0.00E+00	1.29E-04
	$PM_{2.5}$	2.08E-07	0.00E+00	0.00E+00	5.31E-05
	ROG	8.12E-06	0.00E+00	0.00E+00	3.36E-07

Percent of traffic on this road

100%

AERMOD Number of Sources	Emission Rates per source		
	g/s	lb/hr	lb/yr
126	1.0E-06	8.2E-06	7.57E-03
126	4.2E-07	3.4E-06	3.11E-03
126	6.7E-08	5.3E-07	4.94E-04

Speciated Emissions Rates for HARP2 input

		lb/yr	lb/hr
diesel part.	--	8.02E-05	2.88E-08
PM2.5	--	3.30E-05	1.19E-08
1,3-butadiene	0.0055	2.88E-08	1.03E-11
benzene	0.02636	1.38E-07	4.96E-11
ethylbenzene	0.01072	5.61E-08	2.02E-11
MEK	0.00019	9.95E-10	3.57E-13
naphthalene	0.00048	2.51E-09	9.03E-13
propylene	0.03127998	1.64E-07	5.88E-11
styrene	0.00126	6.60E-09	2.37E-12
toluene	0.05879998	3.08E-07	1.11E-10
m & p-xylene	0.03639998	1.91E-07	6.85E-11
acetaldehyde	0.07353	3.85E-07	1.38E-10
formaldehyde	0.14714	7.70E-07	2.77E-10

[1] AADT from CalEEMod Construction Default Vehicle Trips Assumptions

[2] LDV assumed to LDA (Passenger Cars)

[3] 2 axle trucks are assumed to be MDV (Medium-Duty Truck GVW=5,574-8,500 lbs.)

[4] 3 axle trucks are assumed to be MHDT (Medium-Heavy Duty Truck GVW=14,001-33,000 lbs.)

[5] 4+ axle trucks are assumed to be HHDT (Heavy-Heavy Duty Truck GVW=33,001-60,000 lbs.)

[6] Source: EMFAC2017 fleet percentages.

[7] Source: EMFAC2021 emission factors for 2022 (model year aggregate).

[8] CARB, 2022. Speciation Profiles Used in ARB Modeling. The following files were used: orgprofile20jun22.xlsx, fraction20jun22.xlsx, pmchemprofile20jun22.xlsx, and pmsizeprofile20jun22.xlsx. Oct 15.

Website: https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling

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DPM emissions were used without speciation because CARB provides toxicity factors for DPM as a whole.

Speciation Profiles for VOC

Notes: a. Profile No. 818 is associated with diesel IC engines for 9 mobile source air toxics compounds. b. The speciation profiles were originally expressed by CARB as total organic gas (TOG) profiles;

they were converted to VOC profiles by dividing by the fraction VOC provided with each profile. c. Only TACs that have OEHHA/CARB toxicity factors are shown in the table.

Hauling Length (miles)	20.0
Haul Length within 1,000 feet of Site (mile)	0.73

# of Construction Days/Year	# of days/30-Year	# of hours/day	# of hours/30-Year
116	10,950	8	262,800
	0.010593607		0.003531202

BayoTech Hydrogen Fueling Facility Project

Construction off-site Travel within 1,000 feet from Facility.

Off-site travel		One-way Trip by Vehicle Category[1]			
Trucks Out-bound from Facility		LDV[2]	2-Axle[3]	3-Axle[4]	4+-Axle[5]
		28	0	0	40
		% of Vehicles That Are Diesel-Powered[5]			
Average Speed		0.2%	2%	96%	100%
		Brake Wear PM10 & PM2.5 Emissions at 35 mph (g/mi)6			
35 mph	PM_{10}	1.32E-02	1.49E-02	4.16E-02	1.15E-01
	$PM_{2.5}$	4.62E-03	5.22E-03	1.46E-02	4.01E-02
		Diesel Exhaust PM10 & PM2.5 Emissions at 35 mph (g/mi)6			
	PM_{10}	1.75E-02	7.95E-03	1.65E-02	1.28E-02
	$PM_{2.5}$	1.68E-02	7.61E-03	1.58E-02	1.22E-02
AERMOD Total distance covered by Off-site travel driveway sources		% of Vehicles That Are Gasoline-Powered[5]			
		100%	98%	4%	0.0%
		Gasoline Exhaust ROG Emissions at 35 mph (g/mi)6			
	ROG	0.0115	2.48E-02	1.17E-01	2.95E+00
		PM_{10}, $PM_{2.5}$ & ROG Emissions (g/s)			
1,129 meters	PM_{10}	4.17E-07	0.00E+00	0.00E+00	1.24E-04
	$PM_{2.5}$	2.04E-07	0.00E+00	0.00E+00	5.10E-05
	ROG	7.80E-06	0.00E+00	0.00E+00	3.23E-07

Percent of traffic on this road

100%

AERMOD Number of Sources	Emission Rates per source		
	g/s	lb/hr	lb/yr
121	1.0E-06	8.2E-06	7.58E-03
121	4.2E-07	3.4E-06	3.12E-03
121	6.7E-08	5.3E-07	4.95E-04

Speciated Emissions Rates for HARP2 input

		lb/yr	lb/hr
diesel part.	--	8.03E-05	2.88E-08
PM2.5	--	3.30E-05	1.19E-08
1,3-butadiene	0.0055	2.88E-08	1.03E-11
benzene	0.02636	1.38E-07	4.96E-11
ethylbenzene	0.01072	5.62E-08	2.02E-11
MEK	0.00019	9.95E-10	3.58E-13
naphthalene	0.00048	2.51E-09	9.03E-13
propylene	0.03127998	1.64E-07	5.89E-11
styrene	0.00126	6.60E-09	2.37E-12
toluene	0.05879998	3.08E-07	1.11E-10
m & p-xylene	0.03639998	1.91E-07	6.85E-11
acetaldehyde	0.07353	3.85E-07	1.38E-10
formaldehyde	0.14714	7.71E-07	2.77E-10

[1] AADT from CalEEMod Construction Default Vehicle Trips Assumptions

[2] LDV assumed to LDA (Passenger Cars)

[3] 2 axle trucks are assumed to be MDV (Medium-Duty Truck GVW=5,574-8,500 lbs.)

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they were converted to VOC profiles by dividing by the fraction VOC provided with each profile. c. Only TACs that have OEHHA/CARB toxicity factors are shown in the table.

Hauling Length (miles)	20.0
Haul Length within 1,000 feet of Site (mile)	0.73

# of Construction Days/Year	# of days/30-Year	# of hours/day	# of hours/30-Year
116	10,950	8	262,800
	0.010593607		0.003531202

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Joaquin (SJV)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	Trips	PM2.5_IDL	PM10_IDLI	ROG_IDLE)	Fuel Consumption
San Joaqui	2022	HHDT	Aggregate	Aggregate	Diesel	8308.956	1176546	135865.8	0.000333	0.000348	0.058195	201.2464
San Joaqui	2022	LDA	Aggregate	Aggregate	Diesel	747.597	24646.14	3218.197	0	0	0	0.58358
San Joaqui	2022	MDV	Aggregate	Aggregate	Diesel	1375.555	54411.92	6482.028	0	0	0	2.295398
San Joaqui	2022	MHDT	Aggregate	Aggregate	Diesel	5611.053	266972.4	68076.61	0.000283	0.000296	0.001848	31.21526

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Joaquin (SJV)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Total VMT	PM2.5_RU	PM10_RUI	ROG_RUNI	Fuel Consumption
San Joaqui	2022	LDA	Aggregate	5	Gasoline	124894.1	0.001252	0.001361	0.011034	10.14566
San Joaqui	2022	LDA	Aggregate	5	Diesel	312.7005	2.27E-05	2.37E-05	9.53E-05	0.018744
San Joaqui	2022	LDA	Aggregate	35	Gasoline	1144242	0.001599	0.00174	0.014463	36.48759
San Joaqui	2022	LDA	Aggregate	35	Diesel	2864.868	5.3E-05	5.54E-05	9.22E-05	0.063358
San Joaqui	2022	MDV	Aggregate	5	Gasoline	41981.43	0.000448	0.000487	0.007725	5.247516
San Joaqui	2022	MDV	Aggregate	5	Diesel	690.3569	1.86E-05	1.94E-05	0.000173	0.068884
San Joaqui	2022	MDV	Aggregate	35	Gasoline	384621.2	0.000581	0.000632	0.010495	18.81199
San Joaqui	2022	MDV	Aggregate	35	Diesel	6324.843	5.3E-05	5.54E-05	0.000111	0.250149
San Joaqui	2022	MHDT	Aggregate	5	Gasoline	737.3686	6.52E-06	7.09E-06	0.00063	0.341023
San Joaqui	2022	MHDT	Aggregate	5	Diesel	559.1379	5.74E-05	6E-05	0.000263	0.133181
San Joaqui	2022	MHDT	Aggregate	35	Gasoline	1603.748	2.05E-06	2.23E-06	0.000207	0.28784
San Joaqui	2022	MHDT	Aggregate	35	Diesel	36470.45	0.000636	0.000664	0.001662	3.79416
San Joaqui	2022	HHDT	Aggregate	5	Gasoline	2.161715	8.2E-08	8.92E-08	3.17E-05	0.001494
San Joaqui	2022	HHDT	Aggregate	5	Diesel	584.1741	0.000101	0.000106	0.000459	0.205187
San Joaqui	2022	HHDT	Aggregate	35	Gasoline	3.089167	2.4E-08	2.61E-08	1.01E-05	0.000794
San Joaqui	2022	HHDT	Aggregate	35	Diesel	27527.35	0.000371	0.000388	0.00118	4.566037

Source: EMFAC2021 (v1.0.2) project-level (PL)
Region Type: Sub-Area
Region: San Joaquin (SJV)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: gram/vehicle/hour for Idle Exhaust (IDLEX)

Region	Calend	Vehicle Ca	Model Year	Speed	Fuel	ROG_IDLEX	PM10_IDLEX	PM2_5_IDLEX
San Joaquin (SJV)	2022	HHDT	Aggregated	5	DSL	2.372571341	0.014193564	0.013579557

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: San Joaquin (SJV)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calenda	Vehicle Ca	Model Year	Speed	Fuel	VMT	ROG_RUNEX	PM10_RUNEX	PM2_5_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel %
San Joaquin (SJV)	2022	LDA	Aggregated	5	GAS	124,894	0.080148761	0.009886836	0.009090635	0.0059626	0.00208691	
San Joaquin (SJV)	2022	LDA	Aggregated	5	DSL	313	0.27647466	0.068748855	0.06577481	0.006036055	0.002112619	
San Joaquin (SJV)	2022	LDA	Aggregated	35	GAS	1,144,242	0.011466575	0.001379178	0.001268115	0.013190732	0.004616756	99.75%
San Joaquin (SJV)	2022	LDA	Aggregated	35	DSL	2,865	0.029189155	0.017540723	0.016781919	0.013353233	0.004673631	0.25%
San Joaquin (SJV)	2022	MDV	Aggregated	5	GAS	41,981	0.166930091	0.010520794	0.009673945	0.008542065	0.002989723	
San Joaquin (SJV)	2022	MDV	Aggregated	5	DSL	690	0.227918535	0.025497147	0.024394151	0.008303253	0.002906138	
San Joaquin (SJV)	2022	MDV	Aggregated	35	GAS	384,621	0.024753358	0.001490288	0.001370369	0.01491455	0.005220093	98.38%
San Joaquin (SJV)	2022	MDV	Aggregated	35	DSL	6,325	0.015852213	0.007949584	0.007605689	0.014497581	0.005074153	1.62%
San Joaquin (SJV)	2022	MHDT	Aggregated	5	GAS	737	0.774944397	0.008720109	0.008017818	0.061495877	0.021523557	
San Joaquin (SJV)	2022	MHDT	Aggregated	5	DSL	559	0.426017295	0.097388379	0.093175401	0.061495877	0.021523557	
San Joaquin (SJV)	2022	MHDT	Aggregated	35	GAS	1,604	0.117210583	0.001262013	0.001160374	0.041585311	0.014554859	4.21%
San Joaquin (SJV)	2022	MHDT	Aggregated	35	DSL	36,470	0.041332193	0.016527065	0.015812112	0.041585311	0.014554859	95.79%
San Joaquin (SJV)	2022	HHDT	Aggregated	5	GAS	2	13.28388994	0.037439448	0.03442419	0.170824151	0.059788453	
San Joaquin (SJV)	2022	HHDT	Aggregated	5	DSL	584	0.713085417	0.164259013	0.157153241	0.161600138	0.056560048	
San Joaquin (SJV)	2022	HHDT	Aggregated	35	GAS	3	2.952490321	0.007664348	0.007047085	0.134512608	0.047079413	0.011%
San Joaquin (SJV)	2022	HHDT	Aggregated	35	DSL	27,527	0.038886513	0.012787988	0.012234785	0.114563824	0.040097338	99.99%

BB004 BayoTech Hydrogen Fueling Facility Mitigation Measures Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	BB004 BayoTech Hydrogen Fueling Facility Mitigation Measures
Lead Agency	Port of Stockton
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	0.40
Location	37.94297549810213, -121.34058875379313
County	San Joaquin
City	Stockton
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2023
EDFZ	4
Electric Utility	Western Area Power Administration
Gas Utility	Pacific Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Light Industry	0.78	1000sqft	5.00	780	500	—	—	Hydrogen Production and Fueling Facility

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-6	Use Diesel Particulate Filters
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-54*	Install Hydrogen Fueling Infrastructure

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.96	53.7	55.0	0.09	2.47	249	251	2.27	25.7	28.0	—	9,324	9,324	0.38	0.08	9,356
Mit.	5.96	53.7	55.0	0.09	0.57	249	249	0.52	25.7	26.2	—	9,324	9,324	0.38	0.08	9,356
% Reduced	—	—	—	—	77%	—	1%	77%	—	6%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.53	4.20	4.17	0.01	0.19	16.4	16.6	0.17	1.71	1.89	—	716	716	0.03	0.01	718
Mit.	0.53	4.20	4.17	0.01	0.04	16.4	16.5	0.04	1.71	1.75	—	716	716	0.03	0.01	718
% Reduced	—	—	—	—	77%	—	1%	77%	—	7%	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10	0.77	0.76	< 0.005	0.03	3.00	3.04	0.03	0.31	0.34	—	118	118	< 0.005	< 0.005	119
Mit.	0.10	0.77	0.76	< 0.005	0.01	3.00	3.01	0.01	0.31	0.32	—	118	118	< 0.005	< 0.005	119
% Reduced	—	—	—	—	77%	—	1%	77%	—	7%	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	10.0	10.0	100	27.0	15.0	15.0	15.0	15.0	15.0	15.0	10,000	10,000	10,000	10,000	10,000	10,000
Unmit.	No	No	No	No	No	No	No	No	No	No	—	No	No	No	No	No
Mit.	No	No	No	No	No	No	No	No	No	No	—	No	No	No	No	No

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	5.96	53.7	55.0	0.09	2.47	249	251	2.27	25.7	28.0	—	9,324	9,324	0.38	0.08	9,356
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.53	4.20	4.17	0.01	0.19	16.4	16.6	0.17	1.71	1.89	—	716	716	0.03	0.01	718
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.10	0.77	0.76	< 0.005	0.03	3.00	3.04	0.03	0.31	0.34	—	118	118	< 0.005	< 0.005	119

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	5.96	53.7	55.0	0.09	0.57	249	249	0.52	25.7	26.2	—	9,324	9,324	0.38	0.08	9,356
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.53	4.20	4.17	0.01	0.04	16.4	16.5	0.04	1.71	1.75	—	716	716	0.03	0.01	718
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.10	0.77	0.76	< 0.005	0.01	3.00	3.01	0.01	0.31	0.32	—	118	118	< 0.005	< 0.005	119

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.21	13.8	3.94	0.13	—	—	—	—	—	—	4.11	27,977	27,982	1.71	2.19	28,712
Mit.	0.21	13.8	3.94	0.13	—	—	—	—	—	—	4.11	27,977	27,982	1.71	2.19	28,712
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	14.7	3.31	0.13	—	—	—	—	—	—	4.11	27,925	27,929	1.71	2.20	28,627
Mit.	0.20	14.7	3.31	0.13	—	—	—	—	—	—	4.11	27,925	27,929	1.71	2.20	28,627
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	14.4	3.45	0.13	—	—	—	—	—	—	4.11	27,937	27,941	1.71	2.20	28,653
Mit.	0.20	14.4	3.45	0.13	—	—	—	—	—	—	4.11	27,937	27,941	1.71	2.20	28,653
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.04	2.63	0.63	0.02	—	—	—	—	—	—	0.68	4,625	4,626	0.28	0.36	4,744
Mit.	0.04	2.63	0.63	0.02	—	—	—	—	—	—	0.68	4,625	4,626	0.28	0.36	4,744
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	10.0	10.0	100	27.0	15.0	15.0	15.0	15.0	15.0	15.0	10,000	10,000	10,000	10,000	10,000	10,000
Unmit.	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Mit.	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.18	13.8	3.91	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,466	13,466	0.23	2.06	14,118
Area	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.21	13.8	3.94	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,977	27,982	1.71	2.19	28,712
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.17	14.7	3.31	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,413	13,413	0.23	2.06	14,033
Area	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.20	14.7	3.31	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,925	27,929	1.71	2.20	28,627
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.18	14.4	3.43	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,425	13,425	0.23	2.06	14,059
Area	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	0.07
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.20	14.4	3.45	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,937	27,941	1.71	2.20	28,653
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	2.63	0.63	0.02	0.04	12.1	12.2	0.04	1.87	1.91	—	2,223	2,223	0.04	0.34	2,328
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,401	2,401	0.17	0.02	2,412
Water	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36

Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.04	2.63	0.63	0.02	NaN	NaN	NaN	NaN	NaN	NaN	0.68	4,625	4,626	0.28	0.36	4,744

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.18	13.8	3.91	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,466	13,466	0.23	2.06	14,118
Area	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.21	13.8	3.94	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,977	27,982	1.71	2.19	28,712
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.17	14.7	3.31	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,413	13,413	0.23	2.06	14,033
Area	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00

Total	0.20	14.7	3.31	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,925	27,929	1.71	2.20	28,627
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.18	14.4	3.43	0.13	0.23	66.5	66.8	0.22	10.2	10.5	—	13,425	13,425	0.23	2.06	14,059
Area	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	0.07
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	14,503	14,503	1.06	0.13	14,568
Water	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.20	14.4	3.45	0.13	NaN	NaN	NaN	NaN	NaN	NaN	4.11	27,937	27,941	1.71	2.20	28,653
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	2.63	0.63	0.02	0.04	12.1	12.2	0.04	1.87	1.91	—	2,223	2,223	0.04	0.34	2,328
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,401	2,401	0.17	0.02	2,412
Water	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Vegetation	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN	—	0.00	0.00	—	—	0.00
Total	0.04	2.63	0.63	0.02	NaN	NaN	NaN	NaN	NaN	NaN	0.68	4,625	4,626	0.28	0.36	4,744

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.09	3.26	0.01	0.14	—	0.14	0.13	—	0.13	—	464	464	0.02	< 0.005	465
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.35	6.35	< 0.005	< 0.005	6.37
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.05	1.05	< 0.005	< 0.005	1.06
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.2. Site Preparation (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.09	3.26	0.01	0.07	—	0.07	0.06	—	0.06	—	464	464	0.02	< 0.005	465
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.35	6.35	< 0.005	< 0.005	6.37
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.05	1.05	< 0.005	< 0.005	1.06
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

3.3. Site Preparation (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	20.6	20.2	0.03	0.97	—	0.97	0.89	—	0.89	—	3,003	3,003	0.12	0.02	3,013
Dust From Material Movement	—	—	—	—	—	1.84	1.84	—	0.89	0.89	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.28	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.1	41.1	< 0.005	< 0.005	41.3
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.81	6.81	< 0.005	< 0.005	6.83

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.4. Site Preparation (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	20.6	20.2	0.03	0.19	—	0.19	0.17	—	0.17	—	3,003	3,003	0.12	0.02	3,013
Dust From Material Movement	—	—	—	—	—	1.84	1.84	—	0.89	0.89	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.28	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.1	41.1	< 0.005	< 0.005	41.3

Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.81	6.81	< 0.005	< 0.005	6.83
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.5. Grading (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.49	33.2	30.8	0.05	1.47	—	1.47	1.35	—	1.35	—	5,494	5,494	0.22	0.04	5,513
Dust From Material Movement	—	—	—	—	—	2.12	2.12	—	0.92	0.92	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.27	2.11	< 0.005	0.10	—	0.10	0.09	—	0.09	—	376	376	0.02	< 0.005	378
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.41	0.38	< 0.005	0.02	—	0.02	0.02	—	0.02	—	62.3	62.3	< 0.005	< 0.005	62.5
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.6. Grading (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.49	33.2	30.8	0.05	0.37	—	0.37	0.34	—	0.34	—	5,494	5,494	0.22	0.04	5,513
Dust From Material Movement	—	—	—	—	—	2.12	2.12	—	0.92	0.92	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.27	2.11	< 0.005	0.03	—	0.03	0.02	—	0.02	—	376	376	0.02	< 0.005	378
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.41	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.3	62.3	< 0.005	< 0.005	62.5
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.7. Building Construction (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.5	10.9	0.03	0.52	—	0.52	0.48	—	0.48	—	2,478	2,478	0.10	0.02	2,487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	—	95.1	95.1	< 0.005	< 0.005	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.8. Building Construction (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	12.5	10.9	0.03	0.08	—	0.08	0.07	—	0.07	—	2,478	2,478	0.10	0.02	2,487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.1	95.1	< 0.005	< 0.005	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.9. Building Construction (2023) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	5.87	6.09	0.01	0.23	—	0.23	0.21	—	0.21	—	830	830	0.03	0.01	833
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	11.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.88	1.88	< 0.005	< 0.005	1.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.10. Building Construction (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	5.87	6.09	0.01	0.18	—	0.18	0.16	—	0.16	—	830	830	0.03	0.01	833
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	11.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.88	1.88	< 0.005	< 0.005	1.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.11. Paving (2023) - Unmitigated

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

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

Off-Road Equipment	0.79	7.13	8.89	0.01	0.35	—	0.35	0.32	—	0.32	—	1,351	1,351	0.05	0.01	1,356
Paving	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	92.5	92.5	< 0.005	< 0.005	92.8
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.3	15.3	< 0.005	< 0.005	15.4
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.12. Paving (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	7.13	8.89	0.01	0.05	—	0.05	0.05	—	0.05	—	1,351	1,351	0.05	0.01	1,356
Paving	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.49	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.5	92.5	< 0.005	< 0.005	92.8
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.3	15.3	< 0.005	< 0.005	15.4
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.13. Architectural Coating (2023) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.14. Architectural Coating (2023) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.15. Trenching (2023) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	13.4	15.3	0.02	0.64	—	0.64	0.59	—	0.59	—	2,261	2,261	0.09	0.02	2,269
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.55	0.63	< 0.005	0.03	—	0.03	0.02	—	0.02	—	92.9	92.9	< 0.005	< 0.005	93.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	15.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.16. Trenching (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	13.4	15.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,261	2,261	0.09	0.02	2,269
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.55	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.9	92.9	< 0.005	< 0.005	93.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	15.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Total	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Total	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,401	2,401	0.17	0.02	2,412
Total	—	—	—	—	—	—	—	—	—	—	—	2,401	2,401	0.17	0.02	2,412

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Total	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Total	—	—	—	—	—	—	—	—	—	—	—	14,503	14,503	1.06	0.13	14,568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,401	2,401	0.17	0.02	2,412
Total	—	—	—	—	—	—	—	—	—	—	—	2,401	2,401	0.17	0.02	2,412

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Total	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscap Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Total	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	0.14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	0.01

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Total	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Total	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36
Total	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36

4.4.1. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Total	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Total	—	—	—	—	—	—	—	—	—	—	4.11	8.68	12.8	0.42	0.01	26.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36
Total	—	—	—	—	—	—	—	—	—	—	0.68	1.44	2.12	0.07	< 0.005	4.36

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

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

General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.5.1. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Mobilization	Site Preparation	6/12/2023	6/16/2023	5.00	5.00	Phase 1
Demobolization	Site Preparation	9/4/2023	9/8/2023	5.00	5.00	Phase 8
Site Prep/Grading	Grading	6/19/2023	7/21/2023	5.00	25.0	Phase 2
Installation of Equipment	Building Construction	7/17/2023	8/3/2023	5.00	14.0	Phase 5
Electricial and pipeline interconnections	Building Construction	7/31/2023	8/4/2023	5.00	5.00	Phase 6
Paving	Paving	6/19/2023	7/21/2023	5.00	25.0	Phase 3
Commissioning/test of system	Architectural Coating	8/7/2023	9/5/2023	5.00	22.0	Phase 7
Civil/Trenching/installing underground utilities	Trenching	6/26/2023	7/14/2023	5.00	15.0	Phase 4

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Civil/Trenching/installing underground utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Civil/Trenching/installing underground utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Installation of Equipment	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Installation of Equipment	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Commissioning/test of system	Other General Industrial Equipment	Electric	Average	1.00	8.00	1.00	0.34
Civil/Trenching/installing underground utilities	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38

Installation of Equipment	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Installation of Equipment	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Site Prep/Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Site Prep/Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Prep/Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Civil/Trenching/installing underground utilities	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Civil/Trenching/installing underground utilities	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Civil/Trenching/installing underground utilities	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Electricial and pipeline interconnections	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Electricial and pipeline interconnections	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Mobilization	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Mobilization	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Mobilization	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Demobolization	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Demobolization	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demobolization	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Demobolization	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demobolization	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Site Prep/Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Site Prep/Grading	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Site Prep/Grading	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74

Site Prep/Grading	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Site Prep/Grading	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Civil/Trenching/installing underground utilities	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Civil/Trenching/installing underground utilities	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Installation of Equipment	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 4 Final	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	6.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Civil/Trenching/installing underground utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Civil/Trenching/installing underground utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Installation of Equipment	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Installation of Equipment	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Commissioning/test of system	Other General Industrial Equipment	Electric	Average	1.00	8.00	1.00	0.34
Civil/Trenching/installing underground utilities	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Installation of Equipment	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74

Installation of Equipment	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Site Prep/Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Site Prep/Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Prep/Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Civil/Trenching/installing underground utilities	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Civil/Trenching/installing underground utilities	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Civil/Trenching/installing underground utilities	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Electricial and pipeline interconnections	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Electricial and pipeline interconnections	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Mobilization	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Mobilization	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Mobilization	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Demobolization	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Demobolization	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demobolization	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Demobolization	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demobolization	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Site Prep/Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Site Prep/Grading	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Site Prep/Grading	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Site Prep/Grading	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45

Site Prep/Grading	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Civil/Trenching/installing underground utilities	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Civil/Trenching/installing underground utilities	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Installation of Equipment	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Tier 4 Final	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	6.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Mobilization	—	—	—	—
Mobilization	Worker	7.50	11.9	LDA,LDT1,LDT2
Mobilization	Vendor	—	9.10	HHDT,MHDT
Mobilization	Hauling	0.00	20.0	HHDT
Mobilization	Onsite truck	—	—	HHDT
Civil/Trenching/installing underground utilities	—	—	—	—
Civil/Trenching/installing underground utilities	Worker	25.0	11.9	LDA,LDT1,LDT2
Civil/Trenching/installing underground utilities	Vendor	—	9.10	HHDT,MHDT

Civil/Trenching/installing underground utilities	Hauling	0.00	20.0	HHDT
Civil/Trenching/installing underground utilities	Onsite truck	—	—	HHDT
Installation of Equipment	—	—	—	—
Installation of Equipment	Worker	0.33	11.9	LDA,LDT1,LDT2
Installation of Equipment	Vendor	0.13	9.10	HHDT,MHDT
Installation of Equipment	Hauling	0.00	20.0	HHDT
Installation of Equipment	Onsite truck	—	—	HHDT
Electricial and pipeline interconnections	—	—	—	—
Electricial and pipeline interconnections	Worker	0.33	11.9	LDA,LDT1,LDT2
Electricial and pipeline interconnections	Vendor	0.13	9.10	HHDT,MHDT
Electricial and pipeline interconnections	Hauling	0.00	20.0	HHDT
Electricial and pipeline interconnections	Onsite truck	—	—	HHDT
Commissioning/test of system	—	—	—	—
Commissioning/test of system	Worker	0.13	11.9	LDA,LDT1,LDT2
Commissioning/test of system	Vendor	—	9.10	HHDT,MHDT
Commissioning/test of system	Hauling	0.00	20.0	HHDT
Commissioning/test of system	Onsite truck	—	—	HHDT
Site Prep/Grading	—	—	—	—
Site Prep/Grading	Worker	27.5	11.9	LDA,LDT1,LDT2
Site Prep/Grading	Vendor	—	9.10	HHDT,MHDT
Site Prep/Grading	Hauling	40.4	20.0	HHDT
Site Prep/Grading	Onsite truck	—	—	HHDT
Demobolization	—	—	—	—
Demobolization	Worker	15.0	11.9	LDA,LDT1,LDT2
Demobolization	Vendor	—	9.10	HHDT,MHDT
Demobolization	Hauling	0.00	20.0	HHDT

Demobolization	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Mobilization	—	—	—	—
Mobilization	Worker	7.50	11.9	LDA,LDT1,LDT2
Mobilization	Vendor	—	9.10	HHDT,MHDT
Mobilization	Hauling	0.00	20.0	HHDT
Mobilization	Onsite truck	—	—	HHDT
Civil/Trenching/installing underground utilities	—	—	—	—
Civil/Trenching/installing underground utilities	Worker	25.0	11.9	LDA,LDT1,LDT2
Civil/Trenching/installing underground utilities	Vendor	—	9.10	HHDT,MHDT
Civil/Trenching/installing underground utilities	Hauling	0.00	20.0	HHDT
Civil/Trenching/installing underground utilities	Onsite truck	—	—	HHDT
Installation of Equipment	—	—	—	—
Installation of Equipment	Worker	0.33	11.9	LDA,LDT1,LDT2
Installation of Equipment	Vendor	0.13	9.10	HHDT,MHDT
Installation of Equipment	Hauling	0.00	20.0	HHDT
Installation of Equipment	Onsite truck	—	—	HHDT

Electricial and pipeline interconnections	—	—	—	—
Electricial and pipeline interconnections	Worker	0.33	11.9	LDA,LDT1,LDT2
Electricial and pipeline interconnections	Vendor	0.13	9.10	HHDT,MHDT
Electricial and pipeline interconnections	Hauling	0.00	20.0	HHDT
Electricial and pipeline interconnections	Onsite truck	—	—	HHDT
Commissioning/test of system	—	—	—	—
Commissioning/test of system	Worker	0.13	11.9	LDA,LDT1,LDT2
Commissioning/test of system	Vendor	—	9.10	HHDT,MHDT
Commissioning/test of system	Hauling	0.00	20.0	HHDT
Commissioning/test of system	Onsite truck	—	—	HHDT
Site Prep/Grading	—	—	—	—
Site Prep/Grading	Worker	27.5	11.9	LDA,LDT1,LDT2
Site Prep/Grading	Vendor	—	9.10	HHDT,MHDT
Site Prep/Grading	Hauling	40.4	20.0	HHDT
Site Prep/Grading	Onsite truck	—	—	HHDT
Demobolization	—	—	—	—
Demobolization	Worker	15.0	11.9	LDA,LDT1,LDT2
Demobolization	Vendor	—	9.10	HHDT,MHDT
Demobolization	Hauling	0.00	20.0	HHDT
Demobolization	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Commissioning/test of system	0.00	0.00	0.00	10,500	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Mobilization	0.00	0.00	0.00	0.00	—
Demobolization	0.00	0.00	5.00	0.00	—
Site Prep/Grading	8,067	0.00	50.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.18

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	1.18	90%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	2.03	453	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	36.0	36.0	36.0	13,140	4,470	4,470	4,470	1,631,550

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	36.0	36.0	36.0	13,140	4,470	4,470	4,470	1,631,550

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	10,500	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Light Industry	11,680,234	453	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Light Industry	11,680,234	453	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Light Industry	2,144,010	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Light Industry	2,144,010	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction activities would include the mobilization, site preparation, trenching, equipment installation, electrical and pipeline interconnections, asphalt paving, commissioning and testing of the equipment, and demobilization.
Construction: On-Road Fugitive Dust	Approx. 10 percent of access road to site is unpaved.
Construction: Architectural Coatings	There are no interior painted areas for the equipment.
Construction: Paving	Asphalt area is approx. 43,384sf and concrete area is 8,100sf = 1.18 acres
Operations: Road Dust	Approx. 10 percent of access road from Navy Drive is not paved.
Operations: Architectural Coatings	No interior painted areas.
Operations: Refrigerants	No refrigerant products on site.
Land Use	Approx. 5 acres with 780 sf BayoTech facility with truck parking on 140,740sf asphalt pavement and 28,200sf concrete pad.
Construction: Off-Road Equipment	Construction equipment list provided by BayoTech
Operations: Fleet Mix	83% trips would be heavy duty trucks (30 ADT), and 17% passenger vehicles (6 ADT).
Operations: Energy Use	Each unit requires approx. 16,867 kWh/day. Two H2-1000 units would consume approx. 11,680,234 kWh/yr of electricity. Natural gas is calculated under the permitted sources, not included in CalEEMod.

Operations: Water and Waste Water	Each H2-1000 unit requires approx. 2,937 gallons per day. Two H2-1000 units will consume approx. 2,144,010 gals/year. Each unit will generate approx. 1,000,100 gals/year of wastewater. Rest of water is converted into steam.
Operations: Solid Waste	No solid waste generated on-site.

Appendix B
AERMOD Dispersion Modeling Files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 11/19/2022
** File: C:\Lakes\AERMOD
View\BayoTech_Construction_Stockton_HRA_11_2022\BayoTech_Construction_Stockton_HRA_11_2022.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE BayoTech Stockton BB0004 with 2 SMR
   TITLETWO Operational HRA Analysis
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 311103 City_of_Stockton
   POLLUTID TOXICS
   RUNORNOT RUN
   ERRORFIL BayoTech_Construction_Stockton_HRA_11_2022.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC In-bound truck route
** PREFIX
** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
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** 645841.172, 4200779.249, 1.81, 3.40, 4.33
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   LOCATION L0002413     VOLUME   646250.696 4200805.530 1.52
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   LOCATION L0002417     VOLUME   646226.131 4200833.466 1.52
   LOCATION L0002418     VOLUME   646219.990 4200840.450 1.52
   LOCATION L0002419     VOLUME   646213.849 4200847.435 1.52
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** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Out-bound truck trips
** PREFIX
** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 6.80
** SZINIT = 1.58
** Nodes = 20
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LOCATION L0005417     VOLUME   645670.262 4200745.091 1.83
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LOCATION L0005419     VOLUME   645683.500 4200758.157 1.83
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LOCATION L0005446     VOLUME   645867.320 4200927.914 2.15
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LOCATION L0005448     VOLUME   645885.185 4200932.863 2.26
LOCATION L0005449     VOLUME   645894.207 4200935.118 2.34
LOCATION L0005450     VOLUME   645903.230 4200937.374 2.46
LOCATION L0005451     VOLUME   645912.467 4200937.993 2.56
LOCATION L0005452     VOLUME   645921.765 4200938.140 2.65
LOCATION L0005453     VOLUME   645931.064 4200938.288 2.67
LOCATION L0005454     VOLUME   645940.363 4200938.435 2.67
LOCATION L0005455     VOLUME   645949.656 4200938.535 2.67
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   LOCATION L0005459     VOLUME   645985.136 4200927.846 2.88
   LOCATION L0005460     VOLUME   645993.487 4200923.753 2.86
   LOCATION L0005461     VOLUME   646001.838 4200919.659 2.81
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   LOCATION L0005464     VOLUME   646026.064 4200905.908 2.65
   LOCATION L0005465     VOLUME   646033.904 4200900.907 2.60
   LOCATION L0005466     VOLUME   646041.745 4200895.905 2.54
   LOCATION L0005467     VOLUME   646049.585 4200890.903 2.43
   LOCATION L0005468     VOLUME   646057.504 4200886.029 2.30
   LOCATION L0005469     VOLUME   646065.528 4200881.328 2.17
   LOCATION L0005470     VOLUME   646073.552 4200876.626 2.04
   LOCATION L0005471     VOLUME   646081.576 4200871.924 1.95
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   LOCATION L0005473     VOLUME   646097.624 4200862.521 1.84
   LOCATION L0005474     VOLUME   646105.648 4200857.820 1.81
   LOCATION L0005475     VOLUME   646113.672 4200853.118 1.72
   LOCATION L0005476     VOLUME   646121.696 4200848.417 1.64
   LOCATION L0005477     VOLUME   646129.720 4200843.715 1.56
   LOCATION L0005478     VOLUME   646137.744 4200839.013 1.52
   LOCATION L0005479     VOLUME   646145.800 4200834.368 1.52
   LOCATION L0005480     VOLUME   646153.964 4200829.914 1.52
   LOCATION L0005481     VOLUME   646162.129 4200825.461 1.52
   LOCATION L0005482     VOLUME   646170.293 4200821.008 1.52
   LOCATION L0005483     VOLUME   646178.457 4200816.554 1.52
   LOCATION L0005484     VOLUME   646186.622 4200812.101 1.52
   LOCATION L0005485     VOLUME   646195.258 4200808.856 1.52
   LOCATION L0005486     VOLUME   646204.280 4200806.600 1.52
   LOCATION L0005487     VOLUME   646213.507 4200807.731 1.52
   LOCATION L0005488     VOLUME   646221.694 4200811.814 1.52
   LOCATION L0005489     VOLUME   646229.580 4200816.743 1.52
   LOCATION L0005490     VOLUME   646236.579 4200814.268 1.52
   LOCATION L0005491     VOLUME   646243.078 4200807.615 1.52
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   LOCATION L0005493     VOLUME   646256.074 4200794.309 1.49
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** DESCRSRC Construction Area
** Source Parameters **
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SRCPARAM L0002416     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002417     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002418     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002421     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002422     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002423     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002424     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002457     0.0079365079      3.40      4.33      1.58
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   SRCPARAM L0005474     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005475     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005476     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005480     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005487     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005488     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005489     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005490     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005491     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005492     0.0082644628      3.40      4.33      1.58
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   AREAVERT PAREA1       645891.497 4200889.380 645847.919 4200866.683
   AREAVERT PAREA1       645698.120 4200719.608 645703.568 4200715.069
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   SRCGROUP SLINE1   L0002435 L0002436 L0002437 L0002438 L0002439 L0002440
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   SRCGROUP SLINE1   L0002447 L0002448 L0002449 L0002450 L0002451 L0002452
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   SRCGROUP SLINE2   L0005379 L0005380 L0005381 L0005382 L0005383 L0005384
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   SRCGROUP SLINE2   L0005391 L0005392 L0005393 L0005394 L0005395 L0005396
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   SRCGROUP SLINE2   L0005403 L0005404 L0005405 L0005406 L0005407 L0005408
   SRCGROUP SLINE2   L0005409 L0005410 L0005411 L0005412 L0005413 L0005414
   SRCGROUP SLINE2   L0005415 L0005416 L0005417 L0005418 L0005419 L0005420
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   SRCGROUP SLINE2   L0005427 L0005428 L0005429 L0005430 L0005431 L0005432
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   SRCGROUP SLINE2   L0005439 L0005440 L0005441 L0005442 L0005443 L0005444
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   SRCGROUP SLINE2   L0005487 L0005488 L0005489 L0005490 L0005491 L0005492
   SRCGROUP SLINE2   L0005493
   SRCGROUP PAREA1   PAREA1
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
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RE STARTING
   INCLUDED BayoTech_Construction_Stockton_HRA_11_2022.rou
RE FINISHED
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** AERMOD Meteorology Pathway
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ME STARTING
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   PROFFILE Stockton_2013-2017.PFL
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   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 7.9 METERS
ME FINISHED
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** AERMOD Output Pathway
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OU STARTING
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   RECTABLE 1 1ST
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   POSTFILE PERIOD ALL UNFORM BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE_GALL.POS 32
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1GALL.PLT 33
   PLOTFILE 1 SLINE1 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G001.PLT 34
   PLOTFILE 1 SLINE2 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G002.PLT 35
   PLOTFILE 1 PAREA1 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G003.PLT 36
   PLOTFILE PERIOD ALL BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00GALL.PLT 37
   PLOTFILE PERIOD SLINE1 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G001.PLT 38
   PLOTFILE PERIOD SLINE2 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G002.PLT 39
   PLOTFILE PERIOD PAREA1 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G003.PLT 40
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   SUMMFILE BayoTech_Construction_Stockton_HRA_11_2022.sum
OU FINISHED
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** Project Parameters
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** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 11/19/2022
** File: C:\Lakes\AERMOD
View\BayoTech_Construction_Stockton_HRA_11_2022\BayoTech_Construction_Stockton_HRA_11_2022.ADI
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** AERMOD Control Pathway
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CO STARTING
   TITLEONE BayoTech Stockton BB0004 with 2 SMR
   TITLETWO Operational HRA Analysis
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 311103 City_of_Stockton
   POLLUTID TOXICS
   RUNORNOT RUN
   ERRORFIL BayoTech_Construction_Stockton_HRA_11_2022.err
CO FINISHED
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** AERMOD Source Pathway
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC In-bound truck route
** PREFIX
** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
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   LOCATION L0002416     VOLUME   646232.272 4200826.482 1.52
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   LOCATION L0002419     VOLUME   646213.849 4200847.435 1.52
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LOCATION L0002432     VOLUME   646118.871 4200852.872 1.67
LOCATION L0002433     VOLUME   646110.959 4200857.759 1.75
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LOCATION L0002439     VOLUME   646063.484 4200887.082 2.25
LOCATION L0002440     VOLUME   646055.572 4200891.969 2.38
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LOCATION L0002452     VOLUME   645955.680 4200940.028 2.71
LOCATION L0002453     VOLUME   645946.580 4200941.944 2.71
LOCATION L0002454     VOLUME   645937.345 4200942.755 2.72
LOCATION L0002455     VOLUME   645928.050 4200943.075 2.72
LOCATION L0002456     VOLUME   645918.776 4200942.770 2.67
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LOCATION L0002459     VOLUME   645891.207 4200939.079 2.36
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LOCATION L0002461     VOLUME   645873.524 4200933.313 2.19
LOCATION L0002462     VOLUME   645864.682 4200930.430 2.14
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LOCATION L0002466     VOLUME   645832.749 4200911.811 2.09
LOCATION L0002467     VOLUME   645825.551 4200905.922 1.98
LOCATION L0002468     VOLUME   645818.391 4200899.991 1.90
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LOCATION L0002479     VOLUME   645745.760 4200827.949 1.83
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LOCATION L0002481     VOLUME   645732.555 4200814.850 1.83
LOCATION L0002482     VOLUME   645725.952 4200808.301 1.83
LOCATION L0002483     VOLUME   645719.349 4200801.752 1.83
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LOCATION L0002485     VOLUME   645706.144 4200788.653 1.83
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LOCATION L0002487     VOLUME   645692.938 4200775.555 1.83
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LOCATION L0002492     VOLUME   645659.924 4200742.808 1.83
LOCATION L0002493     VOLUME   645653.322 4200736.259 1.83
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LOCATION L0002496     VOLUME   645633.561 4200716.563 1.63
LOCATION L0002497     VOLUME   645626.985 4200709.987 1.56
LOCATION L0002498     VOLUME   645620.522 4200703.323 1.52
LOCATION L0002499     VOLUME   645615.765 4200695.331 1.52
LOCATION L0002500     VOLUME   645611.008 4200687.340 1.52
LOCATION L0002501     VOLUME   645606.251 4200679.348 1.52
LOCATION L0002502     VOLUME   645602.232 4200671.028 1.52
LOCATION L0002503     VOLUME   645599.717 4200662.107 1.52
LOCATION L0002504     VOLUME   645599.373 4200652.813 1.52
LOCATION L0002505     VOLUME   645599.640 4200643.943 1.52
LOCATION L0002506     VOLUME   645608.463 4200641.002 1.52
LOCATION L0002507     VOLUME   645617.286 4200638.061 1.52
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LOCATION L0002509     VOLUME   645634.931 4200632.180 1.52
LOCATION L0002510     VOLUME   645643.754 4200629.239 1.52
LOCATION L0002511     VOLUME   645651.705 4200631.302 1.52
LOCATION L0002512     VOLUME   645659.014 4200637.053 1.52
LOCATION L0002513     VOLUME   645666.322 4200642.804 1.52
LOCATION L0002514     VOLUME   645673.631 4200648.554 1.52
LOCATION L0002515     VOLUME   645680.940 4200654.305 1.52
LOCATION L0002516     VOLUME   645688.249 4200660.056 1.52
LOCATION L0002517     VOLUME   645695.558 4200665.807 1.52
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   LOCATION L0002533     VOLUME   645812.499 4200757.819 1.75
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   LOCATION L0002535     VOLUME   645827.117 4200769.320 1.83
   LOCATION L0002536     VOLUME   645834.681 4200774.727 1.83
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** LINE VOLUME Source ID = SLINE2
** DESCRSRC Out-bound truck trips
** PREFIX
** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 6.80
** SZINIT = 1.58
** Nodes = 20
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LOCATION L0005416     VOLUME   645663.643 4200738.558 1.83
LOCATION L0005417     VOLUME   645670.262 4200745.091 1.83
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LOCATION L0005439     VOLUME   645815.879 4200888.816 1.84
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LOCATION L0005441     VOLUME   645829.117 4200901.882 1.97
LOCATION L0005442     VOLUME   645835.735 4200908.415 2.07
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LOCATION L0005446     VOLUME   645867.320 4200927.914 2.15
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LOCATION L0005451     VOLUME   645912.467 4200937.993 2.56
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   LOCATION L0005469     VOLUME   646065.528 4200881.328 2.17
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   LOCATION L0005482     VOLUME   646170.293 4200821.008 1.52
   LOCATION L0005483     VOLUME   646178.457 4200816.554 1.52
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   LOCATION L0005488     VOLUME   646221.694 4200811.814 1.52
   LOCATION L0005489     VOLUME   646229.580 4200816.743 1.52
   LOCATION L0005490     VOLUME   646236.579 4200814.268 1.52
   LOCATION L0005491     VOLUME   646243.078 4200807.615 1.52
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** DESCRSRC Construction Area
** Source Parameters **
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SRCPARAM L0002416     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002417     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0005417     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005418     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005419     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005420     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005421     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005422     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005423     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005424     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005425     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005426     0.0082644628      3.40      4.33      1.58
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SRCPARAM L0005427     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005428     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005429     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005430     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005431     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005432     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005433     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005434     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005435     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005436     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005437     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005438     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005439     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005440     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005441     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005442     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005443     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005444     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005445     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005446     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005447     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005448     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005449     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005450     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005451     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005452     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005453     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005454     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005455     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005456     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005457     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005458     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005459     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005460     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005461     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005462     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005463     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005464     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005465     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005466     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005467     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005468     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005469     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005470     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005471     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005472     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005473     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005474     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005475     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005476     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005477     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005478     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005479     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005480     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005481     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005482     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005483     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005484     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005485     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005486     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005487     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005488     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005489     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005490     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005491     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005492     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005493     0.0082644628      3.40      4.33      1.58
** ------------------------------------------------------------------
   SRCPARAM PAREA1             1.0     5.000         6     1.160
   AREAVERT PAREA1       645945.061 4200733.226 645932.351 4200895.735
   AREAVERT PAREA1       645891.497 4200889.380 645847.919 4200866.683
   AREAVERT PAREA1       645698.120 4200719.608 645703.568 4200715.069
   URBANSRC ALL
   SRCGROUP SLINE1   L0002411 L0002412 L0002413 L0002414 L0002415 L0002416
   SRCGROUP SLINE1   L0002417 L0002418 L0002419 L0002420 L0002421 L0002422
   SRCGROUP SLINE1   L0002423 L0002424 L0002425 L0002426 L0002427 L0002428
   SRCGROUP SLINE1   L0002429 L0002430 L0002431 L0002432 L0002433 L0002434
   SRCGROUP SLINE1   L0002435 L0002436 L0002437 L0002438 L0002439 L0002440
   SRCGROUP SLINE1   L0002441 L0002442 L0002443 L0002444 L0002445 L0002446
   SRCGROUP SLINE1   L0002447 L0002448 L0002449 L0002450 L0002451 L0002452
   SRCGROUP SLINE1   L0002453 L0002454 L0002455 L0002456 L0002457 L0002458
   SRCGROUP SLINE1   L0002459 L0002460 L0002461 L0002462 L0002463 L0002464
   SRCGROUP SLINE1   L0002465 L0002466 L0002467 L0002468 L0002469 L0002470
   SRCGROUP SLINE1   L0002471 L0002472 L0002473 L0002474 L0002475 L0002476
   SRCGROUP SLINE1   L0002477 L0002478 L0002479 L0002480 L0002481 L0002482
   SRCGROUP SLINE1   L0002483 L0002484 L0002485 L0002486 L0002487 L0002488
   SRCGROUP SLINE1   L0002489 L0002490 L0002491 L0002492 L0002493 L0002494
   SRCGROUP SLINE1   L0002495 L0002496 L0002497 L0002498 L0002499 L0002500
   SRCGROUP SLINE1   L0002501 L0002502 L0002503 L0002504 L0002505 L0002506
   SRCGROUP SLINE1   L0002507 L0002508 L0002509 L0002510 L0002511 L0002512
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   SRCGROUP SLINE1   L0002513 L0002514 L0002515 L0002516 L0002517 L0002518
   SRCGROUP SLINE1   L0002519 L0002520 L0002521 L0002522 L0002523 L0002524
   SRCGROUP SLINE1   L0002525 L0002526 L0002527 L0002528 L0002529 L0002530
   SRCGROUP SLINE1   L0002531 L0002532 L0002533 L0002534 L0002535 L0002536
   SRCGROUP SLINE2   L0005373 L0005374 L0005375 L0005376 L0005377 L0005378
   SRCGROUP SLINE2   L0005379 L0005380 L0005381 L0005382 L0005383 L0005384
   SRCGROUP SLINE2   L0005385 L0005386 L0005387 L0005388 L0005389 L0005390
   SRCGROUP SLINE2   L0005391 L0005392 L0005393 L0005394 L0005395 L0005396
   SRCGROUP SLINE2   L0005397 L0005398 L0005399 L0005400 L0005401 L0005402
   SRCGROUP SLINE2   L0005403 L0005404 L0005405 L0005406 L0005407 L0005408
   SRCGROUP SLINE2   L0005409 L0005410 L0005411 L0005412 L0005413 L0005414
   SRCGROUP SLINE2   L0005415 L0005416 L0005417 L0005418 L0005419 L0005420
   SRCGROUP SLINE2   L0005421 L0005422 L0005423 L0005424 L0005425 L0005426
   SRCGROUP SLINE2   L0005427 L0005428 L0005429 L0005430 L0005431 L0005432
   SRCGROUP SLINE2   L0005433 L0005434 L0005435 L0005436 L0005437 L0005438
   SRCGROUP SLINE2   L0005439 L0005440 L0005441 L0005442 L0005443 L0005444
   SRCGROUP SLINE2   L0005445 L0005446 L0005447 L0005448 L0005449 L0005450
   SRCGROUP SLINE2   L0005451 L0005452 L0005453 L0005454 L0005455 L0005456
   SRCGROUP SLINE2   L0005457 L0005458 L0005459 L0005460 L0005461 L0005462
   SRCGROUP SLINE2   L0005463 L0005464 L0005465 L0005466 L0005467 L0005468
   SRCGROUP SLINE2   L0005469 L0005470 L0005471 L0005472 L0005473 L0005474
   SRCGROUP SLINE2   L0005475 L0005476 L0005477 L0005478 L0005479 L0005480
   SRCGROUP SLINE2   L0005481 L0005482 L0005483 L0005484 L0005485 L0005486
   SRCGROUP SLINE2   L0005487 L0005488 L0005489 L0005490 L0005491 L0005492
   SRCGROUP SLINE2   L0005493
   SRCGROUP PAREA1   PAREA1
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED BayoTech_Construction_Stockton_HRA_11_2022.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE Stockton_2013-2017.SFC
```

```
   PROFFILE Stockton_2013-2017.PFL
   SURFDATA 23237 2013 Stockton -121.23 37.89
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 7.9 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   POSTFILE 1 ALL UNFORM BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01_GALL.POS 31
   POSTFILE PERIOD ALL UNFORM BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE_GALL.POS 32
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1GALL.PLT 33
   PLOTFILE 1 SLINE1 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G001.PLT 34
   PLOTFILE 1 SLINE2 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G002.PLT 35
   PLOTFILE 1 PAREA1 1ST BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\01H1G003.PLT 36
   PLOTFILE PERIOD ALL BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00GALL.PLT 37
   PLOTFILE PERIOD SLINE1 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G001.PLT 38
   PLOTFILE PERIOD SLINE2 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G002.PLT 39
   PLOTFILE PERIOD PAREA1 BAYOTECH_CONSTRUCTION_STOCKTON_HRA_11_2022.AD\PE00G003.PLT 40
   NOHEADER PLOTFILE POSTFILE
   SUMMFILE BayoTech_Construction_Stockton_HRA_11_2022.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     679       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
```

ME W187   679   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

****
*** SETUP Finishes Successfully ***
****

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   248 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =    311103.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: TOXICS

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    248 Source(s);       4 Source Group(s); and     968 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    247 VOLUME source(s)
                and:      1 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
```

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of Concurrent Values for Postprocessing (POSTFILE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     7.90 ;  Decay Coef. =    0.000     ;  Rot. Angle
=     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =
0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   BayoTech_Construction_Stockton_HRA_11_2022.err
 **File for Summary of Results:   BayoTech_Construction_Stockton_HRA_11_2022.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002411	0	0.79365E-02	646263.0	4200791.6	1.4	3.40	4.33	1.58	YES	
L0002412	0	0.79365E-02	646256.8	4200798.5	1.5	3.40	4.33	1.58	YES	
L0002413	0	0.79365E-02	646250.7	4200805.5	1.5	3.40	4.33	1.58	YES	
L0002414	0	0.79365E-02	646244.6	4200812.5	1.5	3.40	4.33	1.58	YES	
L0002415	0	0.79365E-02	646238.4	4200819.5	1.5	3.40	4.33	1.58	YES	
L0002416	0	0.79365E-02	646232.3	4200826.5	1.5	3.40	4.33	1.58	YES	
L0002417	0	0.79365E-02	646226.1	4200833.5	1.5	3.40	4.33	1.58	YES	
L0002418	0	0.79365E-02	646220.0	4200840.5	1.5	3.40	4.33	1.58	YES	
L0002419	0	0.79365E-02	646213.8	4200847.4	1.5	3.40	4.33	1.58	YES	
L0002420	0	0.79365E-02	646207.7	4200854.4	1.5	3.40	4.33	1.58	YES	
L0002421	0	0.79365E-02	646201.6	4200861.4	1.5	3.40	4.33	1.58	YES	
L0002422	0	0.79365E-02	646195.4	4200868.4	1.5	3.40	4.33	1.58	YES	
L0002423	0	0.79365E-02	646186.8	4200870.9	1.5	3.40	4.33	1.58	YES	
L0002424	0	0.79365E-02	646177.7	4200871.8	1.5	3.40	4.33	1.58	YES	
L0002425	0	0.79365E-02	646169.4	4200867.7	1.5	3.40	4.33	1.58	YES	
L0002426	0	0.79365E-02	646162.6	4200861.4	1.5	3.40	4.33	1.58	YES	
L0002427	0	0.79365E-02	646155.8	4200855.1	1.5	3.40	4.33	1.58	YES	
L0002428	0	0.79365E-02	646149.0	4200848.7	1.5	3.40	4.33	1.58	YES	
L0002429	0	0.79365E-02	646142.2	4200842.4	1.5	3.40	4.33	1.58	YES	
L0002430	0	0.79365E-02	646134.7	4200843.1	1.5	3.40	4.33	1.58	YES	
L0002431	0	0.79365E-02	646126.8	4200848.0	1.6	3.40	4.33	1.58	YES	
L0002432	0	0.79365E-02	646118.9	4200852.9	1.7	3.40	4.33	1.58	YES	
L0002433	0	0.79365E-02	646111.0	4200857.8	1.8	3.40	4.33	1.58	YES	
L0002434	0	0.79365E-02	646103.0	4200862.6	1.8	3.40	4.33	1.58	YES	
L0002435	0	0.79365E-02	646095.1	4200867.5	1.9	3.40	4.33	1.58	YES	
L0002436	0	0.79365E-02	646087.2	4200872.4	1.9	3.40	4.33	1.58	YES	
L0002437	0	0.79365E-02	646079.3	4200877.3	2.0	3.40	4.33	1.58	YES	
L0002438	0	0.79365E-02	646071.4	4200882.2	2.1	3.40	4.33	1.58	YES	

L0002439	0	0.79365E-02	646063.5	4200887.1	2.2	3.40	4.33	1.58	YES
L0002440	0	0.79365E-02	646055.6	4200892.0	2.4	3.40	4.33	1.58	YES
L0002441	0	0.79365E-02	646047.7	4200896.9	2.5	3.40	4.33	1.58	YES
L0002442	0	0.79365E-02	646039.7	4200901.7	2.6	3.40	4.33	1.58	YES
L0002443	0	0.79365E-02	646031.7	4200906.4	2.6	3.40	4.33	1.58	YES
L0002444	0	0.79365E-02	646023.7	4200911.2	2.7	3.40	4.33	1.58	YES
L0002445	0	0.79365E-02	646015.7	4200916.0	2.8	3.40	4.33	1.58	YES
L0002446	0	0.79365E-02	646007.8	4200920.7	2.8	3.40	4.33	1.58	YES
L0002447	0	0.79365E-02	645999.4	4200924.8	2.9	3.40	4.33	1.58	YES
L0002448	0	0.79365E-02	645990.9	4200928.4	2.9	3.40	4.33	1.58	YES
L0002449	0	0.79365E-02	645982.3	4200932.0	2.9	3.40	4.33	1.58	YES
L0002450	0	0.79365E-02	645973.7	4200935.6	2.8	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002451	0	0.79365E-02	645964.8	4200938.1	2.8	3.40	4.33	1.58	YES	
L0002452	0	0.79365E-02	645955.7	4200940.0	2.7	3.40	4.33	1.58	YES	
L0002453	0	0.79365E-02	645946.6	4200941.9	2.7	3.40	4.33	1.58	YES	
L0002454	0	0.79365E-02	645937.3	4200942.8	2.7	3.40	4.33	1.58	YES	
L0002455	0	0.79365E-02	645928.1	4200943.1	2.7	3.40	4.33	1.58	YES	
L0002456	0	0.79365E-02	645918.8	4200942.8	2.7	3.40	4.33	1.58	YES	
L0002457	0	0.79365E-02	645909.5	4200941.8	2.6	3.40	4.33	1.58	YES	
L0002458	0	0.79365E-02	645900.3	4200940.9	2.5	3.40	4.33	1.58	YES	
L0002459	0	0.79365E-02	645891.2	4200939.1	2.4	3.40	4.33	1.58	YES	
L0002460	0	0.79365E-02	645882.4	4200936.2	2.3	3.40	4.33	1.58	YES	
L0002461	0	0.79365E-02	645873.5	4200933.3	2.2	3.40	4.33	1.58	YES	
L0002462	0	0.79365E-02	645864.7	4200930.4	2.1	3.40	4.33	1.58	YES	
L0002463	0	0.79365E-02	645856.3	4200926.5	2.1	3.40	4.33	1.58	YES	
L0002464	0	0.79365E-02	645847.9	4200922.3	2.1	3.40	4.33	1.58	YES	
L0002465	0	0.79365E-02	645839.9	4200917.7	2.1	3.40	4.33	1.58	YES	
L0002466	0	0.79365E-02	645832.7	4200911.8	2.1	3.40	4.33	1.58	YES	
L0002467	0	0.79365E-02	645825.6	4200905.9	2.0	3.40	4.33	1.58	YES	
L0002468	0	0.79365E-02	645818.4	4200900.0	1.9	3.40	4.33	1.58	YES	
L0002469	0	0.79365E-02	645811.8	4200893.4	1.9	3.40	4.33	1.58	YES	
L0002470	0	0.79365E-02	645805.2	4200886.9	1.8	3.40	4.33	1.58	YES	
L0002471	0	0.79365E-02	645798.6	4200880.3	1.8	3.40	4.33	1.58	YES	
L0002472	0	0.79365E-02	645792.0	4200873.8	1.8	3.40	4.33	1.58	YES	
L0002473	0	0.79365E-02	645785.4	4200867.2	1.8	3.40	4.33	1.58	YES	
L0002474	0	0.79365E-02	645778.8	4200860.7	1.8	3.40	4.33	1.58	YES	
L0002475	0	0.79365E-02	645772.2	4200854.1	1.8	3.40	4.33	1.58	YES	
L0002476	0	0.79365E-02	645765.6	4200847.6	1.8	3.40	4.33	1.58	YES	
L0002477	0	0.79365E-02	645759.0	4200841.0	1.8	3.40	4.33	1.58	YES	
L0002478	0	0.79365E-02	645752.4	4200834.5	1.8	3.40	4.33	1.58	YES	

L0002479	0	0.79365E-02	645745.8	4200827.9	1.8	3.40	4.33	1.58	YES
L0002480	0	0.79365E-02	645739.2	4200821.4	1.8	3.40	4.33	1.58	YES
L0002481	0	0.79365E-02	645732.6	4200814.8	1.8	3.40	4.33	1.58	YES
L0002482	0	0.79365E-02	645726.0	4200808.3	1.8	3.40	4.33	1.58	YES
L0002483	0	0.79365E-02	645719.3	4200801.8	1.8	3.40	4.33	1.58	YES
L0002484	0	0.79365E-02	645712.7	4200795.2	1.8	3.40	4.33	1.58	YES
L0002485	0	0.79365E-02	645706.1	4200788.7	1.8	3.40	4.33	1.58	YES
L0002486	0	0.79365E-02	645699.5	4200782.1	1.8	3.40	4.33	1.58	YES
L0002487	0	0.79365E-02	645692.9	4200775.6	1.8	3.40	4.33	1.58	YES
L0002488	0	0.79365E-02	645686.3	4200769.0	1.8	3.40	4.33	1.58	YES
L0002489	0	0.79365E-02	645679.7	4200762.5	1.8	3.40	4.33	1.58	YES
L0002490	0	0.79365E-02	645673.1	4200755.9	1.8	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002491	0	0.79365E-02	645666.5	4200749.4	1.8	3.40	4.33	1.58	YES	
L0002492	0	0.79365E-02	645659.9	4200742.8	1.8	3.40	4.33	1.58	YES	
L0002493	0	0.79365E-02	645653.3	4200736.3	1.8	3.40	4.33	1.58	YES	
L0002494	0	0.79365E-02	645646.7	4200729.7	1.8	3.40	4.33	1.58	YES	
L0002495	0	0.79365E-02	645640.1	4200723.1	1.7	3.40	4.33	1.58	YES	
L0002496	0	0.79365E-02	645633.6	4200716.6	1.6	3.40	4.33	1.58	YES	
L0002497	0	0.79365E-02	645627.0	4200710.0	1.6	3.40	4.33	1.58	YES	
L0002498	0	0.79365E-02	645620.5	4200703.3	1.5	3.40	4.33	1.58	YES	
L0002499	0	0.79365E-02	645615.8	4200695.3	1.5	3.40	4.33	1.58	YES	
L0002500	0	0.79365E-02	645611.0	4200687.3	1.5	3.40	4.33	1.58	YES	
L0002501	0	0.79365E-02	645606.3	4200679.3	1.5	3.40	4.33	1.58	YES	
L0002502	0	0.79365E-02	645602.2	4200671.0	1.5	3.40	4.33	1.58	YES	
L0002503	0	0.79365E-02	645599.7	4200662.1	1.5	3.40	4.33	1.58	YES	
L0002504	0	0.79365E-02	645599.4	4200652.8	1.5	3.40	4.33	1.58	YES	
L0002505	0	0.79365E-02	645599.6	4200643.9	1.5	3.40	4.33	1.58	YES	
L0002506	0	0.79365E-02	645608.5	4200641.0	1.5	3.40	4.33	1.58	YES	
L0002507	0	0.79365E-02	645617.3	4200638.1	1.5	3.40	4.33	1.58	YES	
L0002508	0	0.79365E-02	645626.1	4200635.1	1.5	3.40	4.33	1.58	YES	
L0002509	0	0.79365E-02	645634.9	4200632.2	1.5	3.40	4.33	1.58	YES	
L0002510	0	0.79365E-02	645643.8	4200629.2	1.5	3.40	4.33	1.58	YES	
L0002511	0	0.79365E-02	645651.7	4200631.3	1.5	3.40	4.33	1.58	YES	
L0002512	0	0.79365E-02	645659.0	4200637.1	1.5	3.40	4.33	1.58	YES	
L0002513	0	0.79365E-02	645666.3	4200642.8	1.5	3.40	4.33	1.58	YES	
L0002514	0	0.79365E-02	645673.6	4200648.6	1.5	3.40	4.33	1.58	YES	
L0002515	0	0.79365E-02	645680.9	4200654.3	1.5	3.40	4.33	1.58	YES	
L0002516	0	0.79365E-02	645688.2	4200660.1	1.5	3.40	4.33	1.58	YES	
L0002517	0	0.79365E-02	645695.6	4200665.8	1.5	3.40	4.33	1.58	YES	
L0002518	0	0.79365E-02	645702.9	4200671.6	1.5	3.40	4.33	1.58	YES	

L0002519	0	0.79365E-02	645710.2	4200677.3	1.5	3.40	4.33	1.58	YES
L0002520	0	0.79365E-02	645717.5	4200683.1	1.5	3.40	4.33	1.58	YES
L0002521	0	0.79365E-02	645724.8	4200688.8	1.5	3.40	4.33	1.58	YES
L0002522	0	0.79365E-02	645732.1	4200694.6	1.5	3.40	4.33	1.58	YES
L0002523	0	0.79365E-02	645739.4	4200700.3	1.5	3.40	4.33	1.58	YES
L0002524	0	0.79365E-02	645746.7	4200706.1	1.5	3.40	4.33	1.58	YES
L0002525	0	0.79365E-02	645754.0	4200711.8	1.6	3.40	4.33	1.58	YES
L0002526	0	0.79365E-02	645761.3	4200717.6	1.6	3.40	4.33	1.58	YES
L0002527	0	0.79365E-02	645768.6	4200723.3	1.6	3.40	4.33	1.58	YES
L0002528	0	0.79365E-02	645776.0	4200729.1	1.5	3.40	4.33	1.58	YES
L0002529	0	0.79365E-02	645783.3	4200734.8	1.5	3.40	4.33	1.58	YES
L0002530	0	0.79365E-02	645790.6	4200740.6	1.6	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002531	0	0.79365E-02	645797.9	4200746.3	1.6	3.40	4.33	1.58	YES	
L0002532	0	0.79365E-02	645805.2	4200752.1	1.7	3.40	4.33	1.58	YES	
L0002533	0	0.79365E-02	645812.5	4200757.8	1.8	3.40	4.33	1.58	YES	
L0002534	0	0.79365E-02	645819.8	4200763.6	1.8	3.40	4.33	1.58	YES	
L0002535	0	0.79365E-02	645827.1	4200769.3	1.8	3.40	4.33	1.58	YES	
L0002536	0	0.79365E-02	645834.7	4200774.7	1.8	3.40	4.33	1.58	YES	
L0005373	0	0.82645E-02	645837.0	4200782.2	1.8	3.40	4.33	1.58	YES	
L0005374	0	0.82645E-02	645829.2	4200777.6	1.8	3.40	4.33	1.58	YES	
L0005375	0	0.82645E-02	645821.8	4200771.9	1.8	3.40	4.33	1.58	YES	
L0005376	0	0.82645E-02	645814.4	4200766.3	1.8	3.40	4.33	1.58	YES	
L0005377	0	0.82645E-02	645807.1	4200760.6	1.8	3.40	4.33	1.58	YES	
L0005378	0	0.82645E-02	645799.7	4200754.9	1.7	3.40	4.33	1.58	YES	
L0005379	0	0.82645E-02	645792.3	4200749.2	1.7	3.40	4.33	1.58	YES	
L0005380	0	0.82645E-02	645784.9	4200743.6	1.6	3.40	4.33	1.58	YES	
L0005381	0	0.82645E-02	645777.6	4200737.9	1.6	3.40	4.33	1.58	YES	
L0005382	0	0.82645E-02	645770.2	4200732.2	1.6	3.40	4.33	1.58	YES	
L0005383	0	0.82645E-02	645762.8	4200726.6	1.6	3.40	4.33	1.58	YES	
L0005384	0	0.82645E-02	645755.5	4200720.9	1.6	3.40	4.33	1.58	YES	
L0005385	0	0.82645E-02	645748.1	4200715.2	1.6	3.40	4.33	1.58	YES	
L0005386	0	0.82645E-02	645740.7	4200709.5	1.6	3.40	4.33	1.58	YES	
L0005387	0	0.82645E-02	645733.3	4200703.9	1.5	3.40	4.33	1.58	YES	
L0005388	0	0.82645E-02	645726.0	4200698.2	1.5	3.40	4.33	1.58	YES	
L0005389	0	0.82645E-02	645718.6	4200692.5	1.5	3.40	4.33	1.58	YES	
L0005390	0	0.82645E-02	645711.2	4200686.9	1.5	3.40	4.33	1.58	YES	
L0005391	0	0.82645E-02	645703.9	4200681.2	1.5	3.40	4.33	1.58	YES	
L0005392	0	0.82645E-02	645696.5	4200675.5	1.5	3.40	4.33	1.58	YES	
L0005393	0	0.82645E-02	645689.1	4200669.8	1.5	3.40	4.33	1.58	YES	
L0005394	0	0.82645E-02	645681.8	4200664.2	1.5	3.40	4.33	1.58	YES	

L0005395	0	0.82645E-02	645674.4	4200658.5	1.5	3.40	4.33	1.58	YES
L0005396	0	0.82645E-02	645667.0	4200652.8	1.5	3.40	4.33	1.58	YES
L0005397	0	0.82645E-02	645659.6	4200647.2	1.5	3.40	4.33	1.58	YES
L0005398	0	0.82645E-02	645652.3	4200641.5	1.5	3.40	4.33	1.58	YES
L0005399	0	0.82645E-02	645644.9	4200635.8	1.5	3.40	4.33	1.58	YES
L0005400	0	0.82645E-02	645637.0	4200633.9	1.5	3.40	4.33	1.58	YES
L0005401	0	0.82645E-02	645628.4	4200637.4	1.5	3.40	4.33	1.58	YES
L0005402	0	0.82645E-02	645619.8	4200640.9	1.5	3.40	4.33	1.58	YES
L0005403	0	0.82645E-02	645611.1	4200644.3	1.5	3.40	4.33	1.58	YES
L0005404	0	0.82645E-02	645604.1	4200648.8	1.5	3.40	4.33	1.58	YES
L0005405	0	0.82645E-02	645604.4	4200658.1	1.5	3.40	4.33	1.58	YES
L0005406	0	0.82645E-02	645605.4	4200667.3	1.5	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005407	0	0.82645E-02	645609.8	4200675.4	1.5	3.40	4.33	1.58	YES	
L0005408	0	0.82645E-02	645614.3	4200683.6	1.5	3.40	4.33	1.58	YES	
L0005409	0	0.82645E-02	645618.7	4200691.8	1.5	3.40	4.33	1.58	YES	
L0005410	0	0.82645E-02	645623.9	4200699.4	1.5	3.40	4.33	1.58	YES	
L0005411	0	0.82645E-02	645630.5	4200705.9	1.6	3.40	4.33	1.58	YES	
L0005412	0	0.82645E-02	645637.2	4200712.4	1.7	3.40	4.33	1.58	YES	
L0005413	0	0.82645E-02	645643.8	4200719.0	1.7	3.40	4.33	1.58	YES	
L0005414	0	0.82645E-02	645650.4	4200725.5	1.8	3.40	4.33	1.58	YES	
L0005415	0	0.82645E-02	645657.0	4200732.0	1.8	3.40	4.33	1.58	YES	
L0005416	0	0.82645E-02	645663.6	4200738.6	1.8	3.40	4.33	1.58	YES	
L0005417	0	0.82645E-02	645670.3	4200745.1	1.8	3.40	4.33	1.58	YES	
L0005418	0	0.82645E-02	645676.9	4200751.6	1.8	3.40	4.33	1.58	YES	
L0005419	0	0.82645E-02	645683.5	4200758.2	1.8	3.40	4.33	1.58	YES	
L0005420	0	0.82645E-02	645690.1	4200764.7	1.8	3.40	4.33	1.58	YES	
L0005421	0	0.82645E-02	645696.7	4200771.2	1.8	3.40	4.33	1.58	YES	
L0005422	0	0.82645E-02	645703.4	4200777.8	1.8	3.40	4.33	1.58	YES	
L0005423	0	0.82645E-02	645710.0	4200784.3	1.8	3.40	4.33	1.58	YES	
L0005424	0	0.82645E-02	645716.6	4200790.8	1.8	3.40	4.33	1.58	YES	
L0005425	0	0.82645E-02	645723.2	4200797.4	1.8	3.40	4.33	1.58	YES	
L0005426	0	0.82645E-02	645729.8	4200803.9	1.8	3.40	4.33	1.58	YES	
L0005427	0	0.82645E-02	645736.5	4200810.4	1.8	3.40	4.33	1.58	YES	
L0005428	0	0.82645E-02	645743.1	4200817.0	1.8	3.40	4.33	1.58	YES	
L0005429	0	0.82645E-02	645749.7	4200823.5	1.8	3.40	4.33	1.58	YES	
L0005430	0	0.82645E-02	645756.3	4200830.0	1.8	3.40	4.33	1.58	YES	
L0005431	0	0.82645E-02	645762.9	4200836.6	1.8	3.40	4.33	1.58	YES	
L0005432	0	0.82645E-02	645769.5	4200843.1	1.8	3.40	4.33	1.58	YES	
L0005433	0	0.82645E-02	645776.2	4200849.6	1.8	3.40	4.33	1.58	YES	
L0005434	0	0.82645E-02	645782.8	4200856.2	1.8	3.40	4.33	1.58	YES	

L0005435	0	0.82645E-02	645789.4	4200862.7	1.8	3.40	4.33	1.58	YES
L0005436	0	0.82645E-02	645796.0	4200869.2	1.8	3.40	4.33	1.58	YES
L0005437	0	0.82645E-02	645802.6	4200875.8	1.8	3.40	4.33	1.58	YES
L0005438	0	0.82645E-02	645809.3	4200882.3	1.8	3.40	4.33	1.58	YES
L0005439	0	0.82645E-02	645815.9	4200888.8	1.8	3.40	4.33	1.58	YES
L0005440	0	0.82645E-02	645822.5	4200895.3	1.9	3.40	4.33	1.58	YES
L0005441	0	0.82645E-02	645829.1	4200901.9	2.0	3.40	4.33	1.58	YES
L0005442	0	0.82645E-02	645835.7	4200908.4	2.1	3.40	4.33	1.58	YES
L0005443	0	0.82645E-02	645843.3	4200913.7	2.1	3.40	4.33	1.58	YES
L0005444	0	0.82645E-02	645851.3	4200918.5	2.1	3.40	4.33	1.58	YES
L0005445	0	0.82645E-02	645859.3	4200923.2	2.1	3.40	4.33	1.58	YES
L0005446	0	0.82645E-02	645867.3	4200927.9	2.1	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005447	0	0.82645E-02	645876.2	4200930.6	2.2	3.40	4.33	1.58	YES	
L0005448	0	0.82645E-02	645885.2	4200932.9	2.3	3.40	4.33	1.58	YES	
L0005449	0	0.82645E-02	645894.2	4200935.1	2.3	3.40	4.33	1.58	YES	
L0005450	0	0.82645E-02	645903.2	4200937.4	2.5	3.40	4.33	1.58	YES	
L0005451	0	0.82645E-02	645912.5	4200938.0	2.6	3.40	4.33	1.58	YES	
L0005452	0	0.82645E-02	645921.8	4200938.1	2.6	3.40	4.33	1.58	YES	
L0005453	0	0.82645E-02	645931.1	4200938.3	2.7	3.40	4.33	1.58	YES	
L0005454	0	0.82645E-02	645940.4	4200938.4	2.7	3.40	4.33	1.58	YES	
L0005455	0	0.82645E-02	645949.7	4200938.5	2.7	3.40	4.33	1.58	YES	
L0005456	0	0.82645E-02	645958.7	4200936.3	2.7	3.40	4.33	1.58	YES	
L0005457	0	0.82645E-02	645967.7	4200934.0	2.8	3.40	4.33	1.58	YES	
L0005458	0	0.82645E-02	645976.7	4200931.8	2.8	3.40	4.33	1.58	YES	
L0005459	0	0.82645E-02	645985.1	4200927.8	2.9	3.40	4.33	1.58	YES	
L0005460	0	0.82645E-02	645993.5	4200923.8	2.9	3.40	4.33	1.58	YES	
L0005461	0	0.82645E-02	646001.8	4200919.7	2.8	3.40	4.33	1.58	YES	
L0005462	0	0.82645E-02	646010.2	4200915.6	2.8	3.40	4.33	1.58	YES	
L0005463	0	0.82645E-02	646018.2	4200910.9	2.7	3.40	4.33	1.58	YES	
L0005464	0	0.82645E-02	646026.1	4200905.9	2.6	3.40	4.33	1.58	YES	
L0005465	0	0.82645E-02	646033.9	4200900.9	2.6	3.40	4.33	1.58	YES	
L0005466	0	0.82645E-02	646041.7	4200895.9	2.5	3.40	4.33	1.58	YES	
L0005467	0	0.82645E-02	646049.6	4200890.9	2.4	3.40	4.33	1.58	YES	
L0005468	0	0.82645E-02	646057.5	4200886.0	2.3	3.40	4.33	1.58	YES	
L0005469	0	0.82645E-02	646065.5	4200881.3	2.2	3.40	4.33	1.58	YES	
L0005470	0	0.82645E-02	646073.6	4200876.6	2.0	3.40	4.33	1.58	YES	
L0005471	0	0.82645E-02	646081.6	4200871.9	1.9	3.40	4.33	1.58	YES	
L0005472	0	0.82645E-02	646089.6	4200867.2	1.9	3.40	4.33	1.58	YES	
L0005473	0	0.82645E-02	646097.6	4200862.5	1.8	3.40	4.33	1.58	YES	
L0005474	0	0.82645E-02	646105.6	4200857.8	1.8	3.40	4.33	1.58	YES	

L0005475	0	0.82645E-02	646113.7	4200853.1	1.7	3.40	4.33	1.58	YES
L0005476	0	0.82645E-02	646121.7	4200848.4	1.6	3.40	4.33	1.58	YES
L0005477	0	0.82645E-02	646129.7	4200843.7	1.6	3.40	4.33	1.58	YES
L0005478	0	0.82645E-02	646137.7	4200839.0	1.5	3.40	4.33	1.58	YES
L0005479	0	0.82645E-02	646145.8	4200834.4	1.5	3.40	4.33	1.58	YES
L0005480	0	0.82645E-02	646154.0	4200829.9	1.5	3.40	4.33	1.58	YES
L0005481	0	0.82645E-02	646162.1	4200825.5	1.5	3.40	4.33	1.58	YES
L0005482	0	0.82645E-02	646170.3	4200821.0	1.5	3.40	4.33	1.58	YES
L0005483	0	0.82645E-02	646178.5	4200816.6	1.5	3.40	4.33	1.58	YES
L0005484	0	0.82645E-02	646186.6	4200812.1	1.5	3.40	4.33	1.58	YES
L0005485	0	0.82645E-02	646195.3	4200808.9	1.5	3.40	4.33	1.58	YES
L0005486	0	0.82645E-02	646204.3	4200806.6	1.5	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005487	0	0.82645E-02	646213.5	4200807.7	1.5	3.40	4.33	1.58	YES	
L0005488	0	0.82645E-02	646221.7	4200811.8	1.5	3.40	4.33	1.58	YES	
L0005489	0	0.82645E-02	646229.6	4200816.7	1.5	3.40	4.33	1.58	YES	
L0005490	0	0.82645E-02	646236.6	4200814.3	1.5	3.40	4.33	1.58	YES	
L0005491	0	0.82645E-02	646243.1	4200807.6	1.5	3.40	4.33	1.58	YES	
L0005492	0	0.82645E-02	646249.6	4200801.0	1.5	3.40	4.33	1.58	YES	
L0005493	0	0.82645E-02	646256.1	4200794.3	1.5	3.40	4.33	1.58	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA1	0	0.10000E+01	645945.1	4200733.2	1.8	5.00	6	1.16	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE1	L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 ,
	L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 ,
	L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 ,
	L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 ,
	L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 ,
	L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 ,
	L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 , L0002465 , L0002466 ,
	L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 ,
	L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 ,
	L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 , L0002489 , L0002490 ,

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          L0002491    , L0002492    , L0002493    , L0002494    , L0002495    , L0002496    , L0002497    ,
L0002498    ,
          L0002499    , L0002500    , L0002501    , L0002502    , L0002503    , L0002504    , L0002505    ,
L0002506    ,
          L0002507    , L0002508    , L0002509    , L0002510    , L0002511    , L0002512    , L0002513    ,
L0002514    ,
          L0002515    , L0002516    , L0002517    , L0002518    , L0002519    , L0002520    , L0002521    ,
L0002522    ,
          L0002523    , L0002524    , L0002525    , L0002526    , L0002527    , L0002528    , L0002529    ,
L0002530    ,
          L0002531    , L0002532    , L0002533    , L0002534    , L0002535    , L0002536    ,
  SLINE2  L0005373    , L0005374    , L0005375    , L0005376    , L0005377    , L0005378    , L0005379    ,
L0005380    ,
          L0005381    , L0005382    , L0005383    , L0005384    , L0005385    , L0005386    , L0005387    ,
L0005388    ,
          L0005389    , L0005390    , L0005391    , L0005392    , L0005393    , L0005394    , L0005395    ,
L0005396    ,
          L0005397    , L0005398    , L0005399    , L0005400    , L0005401    , L0005402    , L0005403    ,
L0005404    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0005405 , L0005406 , L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 ,

L0005413 , L0005414 , L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,

L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,

L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,

L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,

L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,

L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 ,

L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 ,

L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 ,

L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 ,

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            L0005485    , L0005486    , L0005487    , L0005488    , L0005489    , L0005490    , L0005491    ,
L0005492    ,
            L0005493    ,
  PAREA1    PAREA1      ,
  ALL       L0002411    , L0002412    , L0002413    , L0002414    , L0002415    , L0002416    , L0002417    ,
L0002418    ,
            L0002419    , L0002420    , L0002421    , L0002422    , L0002423    , L0002424    , L0002425    ,
L0002426    ,
            L0002427    , L0002428    , L0002429    , L0002430    , L0002431    , L0002432    , L0002433    ,
L0002434    ,
            L0002435    , L0002436    , L0002437    , L0002438    , L0002439    , L0002440    , L0002441    ,
L0002442    ,
            L0002443    , L0002444    , L0002445    , L0002446    , L0002447    , L0002448    , L0002449    ,
L0002450    ,
            L0002451    , L0002452    , L0002453    , L0002454    , L0002455    , L0002456    , L0002457    ,
L0002458    ,
            L0002459    , L0002460    , L0002461    , L0002462    , L0002463    , L0002464    , L0002465    ,
L0002466    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 ,

L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 ,

L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 , L0002489 , L0002490 ,

L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002496 , L0002497 , L0002498 ,

L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002504 , L0002505 , L0002506 ,

L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 ,

L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 ,

L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 ,

L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0005373 , L0005374 ,

L0005375 , L0005376 , L0005377 , L0005378 , L0005379 , L0005380 , L0005381 , L0005382 ,

L0005383 , L0005384 , L0005385 , L0005386 , L0005387 , L0005388 , L0005389 , L0005390 ,

L0005391 , L0005392 , L0005393 , L0005394 , L0005395 , L0005396 , L0005397 , L0005398 ,

L0005399 , L0005400 , L0005401 , L0005402 , L0005403 , L0005404 , L0005405 , L0005406 ,

L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 , L0005413 , L0005414 ,

L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 , L0005421 , L0005422 ,

L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 , L0005429 , L0005430 ,

L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 , L0005437 , L0005438 ,

L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 , L0005445 , L0005446 ,

L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 , L0005453 , L0005454 ,

L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 , L0005461 , L0005462 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 , L0005469 , L0005470 ,
	L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 , L0005477 , L0005478 ,
	L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 , L0005485 , L0005486 ,
	L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 , L0005493 , PAREA1 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	311103.	L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 ,
		L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 ,
		L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 ,
		L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 ,
		L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 ,
		L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 ,
		L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 , L0002465 , L0002466 ,
		L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 ,
		L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 ,
		L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 , L0002489 , L0002490 ,

L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002496 , L0002497 , L0002498 ,

L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002504 , L0002505 , L0002506 ,

L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 ,

L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 ,

L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 ,

L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0005373 , L0005374 ,

L0005375 , L0005376 , L0005377 , L0005378 , L0005379 , L0005380 , L0005381 , L0005382 ,

L0005383 , L0005384 , L0005385 , L0005386 , L0005387 , L0005388 , L0005389 , L0005390 ,

L0005391 , L0005392 , L0005393 , L0005394 , L0005395 , L0005396 , L0005397 , L0005398 ,

L0005399 , L0005400 , L0005401 , L0005402 , L0005403 , L0005404 , L0005405 , L0005406 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 , L0005413 , L0005414 ,
		L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 , L0005421 , L0005422 ,
		L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 , L0005429 , L0005430 ,
		L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 , L0005437 , L0005438 ,
		L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 , L0005445 , L0005446 ,
		L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 , L0005453 , L0005454 ,
		L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 , L0005461 , L0005462 ,
		L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 , L0005469 , L0005470 ,
		L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 , L0005477 , L0005478 ,
		L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 , L0005485 , L0005486 ,

L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 , L0005493 , PAREA1 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(648148.0, 4201090.6, 2.1, 2.1, 0.0); (646506.5, 4202111.8, 2.8, 2.8, 0.0);
(645939.2, 4200707.2, 1.8, 1.8, 0.0); (644341.0, 4199280.4, 0.0, 0.0, 0.0);
(644441.0, 4199280.4, 0.0, 0.0, 0.0); (644541.0, 4199280.4, 0.0, 0.0, 0.0);
(644641.0, 4199280.4, 0.0, 0.0, 0.0); (644741.0, 4199280.4, 0.0, 0.0, 0.0);
(644841.0, 4199280.4, 0.0, 0.0, 0.0); (644941.0, 4199280.4, 0.0, 0.0, 0.0);
(645041.0, 4199280.4, 0.0, 0.0, 0.0); (645141.0, 4199280.4, 0.0, 0.0, 0.0);
(645241.0, 4199280.4, 0.0, 0.0, 0.0); (645341.0, 4199280.4, 0.0, 0.0, 0.0);
(645441.0, 4199280.4, 0.0, 0.0, 0.0); (645541.0, 4199280.4, 0.0, 0.0, 0.0);
(645641.0, 4199280.4, 0.0, 0.0, 0.0); (645741.0, 4199280.4, 0.0, 0.0, 0.0);
(645841.0, 4199280.4, 0.0, 0.0, 0.0); (645941.0, 4199280.4, 0.0, 0.0, 0.0);
(646041.0, 4199280.4, 0.0, 0.0, 0.0); (646141.0, 4199280.4, 0.0, 0.0, 0.0);
(646241.0, 4199280.4, 0.0, 0.0, 0.0); (646341.0, 4199280.4, 0.0, 0.0, 0.0);
(646441.0, 4199280.4, 0.0, 0.0, 0.0); (646541.0, 4199280.4, 0.0, 0.0, 0.0);
(646641.0, 4199280.4, 0.0, 0.0, 0.0); (646741.0, 4199280.4, 0.0, 0.0, 0.0);
(646841.0, 4199280.4, 0.9, 3.0, 0.0); (646941.0, 4199280.4, 0.0, 0.0, 0.0);
(647041.0, 4199280.4, 3.1, 3.1, 0.0); (647141.0, 4199280.4, 3.5, 3.5, 0.0);

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0.0);
     ( 644341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645041.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645141.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645241.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646041.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646141.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646241.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 647041.0, 4199380.4,       2.8,       2.8,
0.0);
     ( 647141.0, 4199380.4,       3.0,       3.0,       0.0);       ( 647241.0, 4199380.4,       3.0,       3.0,
0.0);
     ( 647341.0, 4199380.4,       3.0,       3.0,       0.0);       ( 644341.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644541.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644741.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644841.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644941.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4199480.4,       0.0,       0.0,       0.0);       ( 645141.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4199480.4,       0.0,       0.0,       0.0);       ( 645341.0, 4199480.4,       0.0,       0.0,
0.0);
```

```
     ( 645441.0, 4199480.4,       0.0,       0.0,       0.0);         ( 645541.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4199480.4,       0.0,       0.0,       0.0);         ( 645741.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645841.0, 4199480.4,       0.0,       0.0,       0.0);         ( 645941.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 646041.0, 4199480.4,       0.0,       0.0,       0.0);         ( 646141.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 646241.0, 4199480.4,       0.0,       0.0,       0.0);         ( 646341.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 646441.0, 4199480.4,       0.0,       0.0,       0.0);         ( 646541.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 646641.0, 4199480.4,       0.0,       0.0,       0.0);         ( 646741.0, 4199480.4,       0.0,       0.0,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646841.0, 4199480.4, 1.0, 1.0, 0.0); (646941.0, 4199480.4, 0.0, 0.0, 0.0);
(647041.0, 4199480.4, 2.1, 2.1, 0.0); (647141.0, 4199480.4, 2.4, 2.4, 0.0);
(647241.0, 4199480.4, 2.7, 2.7, 0.0); (647341.0, 4199480.4, 2.7, 2.7, 0.0);
(644341.0, 4199580.4, 0.0, 0.0, 0.0); (644441.0, 4199580.4, 0.0, 0.0, 0.0);
(644541.0, 4199580.4, 0.0, 0.0, 0.0); (644641.0, 4199580.4, 0.0, 0.0, 0.0);
(644741.0, 4199580.4, 0.0, 0.0, 0.0); (644841.0, 4199580.4, 0.0, 0.0, 0.0);
(644941.0, 4199580.4, 0.0, 0.0, 0.0); (645041.0, 4199580.4, 0.0, 0.0, 0.0);
(645141.0, 4199580.4, 0.0, 0.0, 0.0); (645241.0, 4199580.4, 0.0, 0.0, 0.0);
(645341.0, 4199580.4, 0.0, 0.0, 0.0); (645441.0, 4199580.4, 0.0, 0.0, 0.0);
(645541.0, 4199580.4, 0.0, 0.0, 0.0); (645641.0, 4199580.4, 0.0, 0.0, 0.0);
(645741.0, 4199580.4, 0.0, 0.0, 0.0); (645841.0, 4199580.4, 0.0, 0.0, 0.0);
(645941.0, 4199580.4, 0.0, 0.0, 0.0); (646041.0, 4199580.4, 0.0, 0.0, 0.0);
(646141.0, 4199580.4, 0.0, 0.0, 0.0); (646241.0, 4199580.4, 0.0, 0.0, 0.0);
(646341.0, 4199580.4, 0.0, 0.0, 0.0); (646441.0, 4199580.4, 0.0, 0.0, 0.0);
(646541.0, 4199580.4, 0.0, 0.0, 0.0); (646641.0, 4199580.4, 0.0, 0.0, 0.0);
(646741.0, 4199580.4, 0.0, 0.0, 0.0); (646841.0, 4199580.4, 1.5, 1.5, 0.0);

```
     ( 646941.0, 4199580.4,       0.0,       0.0,       0.0);       ( 647041.0, 4199580.4,       1.8,       1.8,
0.0);
     ( 647141.0, 4199580.4,       2.0,       2.0,       0.0);       ( 647241.0, 4199580.4,       2.1,       2.1,
0.0);
     ( 647341.0, 4199580.4,       2.1,       2.1,       0.0);       ( 644341.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4199680.4,       0.0,       0.0,       0.0);       ( 644541.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4199680.4,       0.0,       0.0,       0.0);       ( 644741.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 644841.0, 4199680.4,       0.0,       0.0,       0.0);       ( 644941.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4199680.4,       0.0,       0.0,       0.0);       ( 645141.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4199680.4,       0.0,       0.0,       0.0);       ( 645341.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4199680.4,       0.0,       0.0,       0.0);       ( 645541.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4199680.4,       0.0,       0.0,       0.0);       ( 645741.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 645841.0, 4199680.4,       0.0,       0.0,       0.0);       ( 645941.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 646041.0, 4199680.4,       0.0,       0.0,       0.0);       ( 646141.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 646241.0, 4199680.4,       0.0,       0.0,       0.0);       ( 646341.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 646441.0, 4199680.4,       0.0,       0.0,       0.0);       ( 646541.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 646641.0, 4199680.4,       0.0,       0.0,       0.0);       ( 646741.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 646841.0, 4199680.4,       1.5,       1.5,       0.0);       ( 646941.0, 4199680.4,       0.0,       0.0,
0.0);
     ( 647041.0, 4199680.4,       1.6,       1.6,       0.0);       ( 647141.0, 4199680.4,       1.7,       1.7,
0.0);
     ( 647241.0, 4199680.4,       1.8,       1.8,       0.0);       ( 647341.0, 4199680.4,       1.8,       1.8,
0.0);
     ( 644341.0, 4199780.4,       0.0,       0.0,       0.0);       ( 644441.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 644541.0, 4199780.4,       0.0,       0.0,       0.0);       ( 644641.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 644741.0, 4199780.4,       0.0,       0.0,       0.0);       ( 644841.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 644941.0, 4199780.4,       0.0,       0.0,       0.0);       ( 645041.0, 4199780.4,       0.0,       0.0,
0.0);
```

```
     ( 645141.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645241.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645441.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645641.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645741.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645841.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645941.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646041.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 646141.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646241.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 646341.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646441.0, 4199780.4,       0.0,       0.0,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646541.0, 4199780.4, 0.0, 0.0, 0.0); (646641.0, 4199780.4, 0.0, 0.0, 0.0);
(646741.0, 4199780.4, 0.1, 0.1, 0.0); (646841.0, 4199780.4, 0.0, 0.0, 0.0);
(646941.0, 4199780.4, 0.2, 0.2, 0.0); (647041.0, 4199780.4, 1.5, 1.5, 0.0);
(647141.0, 4199780.4, 1.5, 1.5, 0.0); (647241.0, 4199780.4, 1.5, 1.5, 0.0);
(647341.0, 4199780.4, 1.5, 1.5, 0.0); (644341.0, 4199880.4, 0.0, 0.0, 0.0);
(644441.0, 4199880.4, 0.0, 0.0, 0.0); (644541.0, 4199880.4, 0.0, 0.0, 0.0);
(644641.0, 4199880.4, 0.0, 0.0, 0.0); (644741.0, 4199880.4, 0.0, 0.0, 0.0);
(644841.0, 4199880.4, 0.0, 0.0, 0.0); (644941.0, 4199880.4, 0.0, 0.0, 0.0);
(645041.0, 4199880.4, 0.0, 0.0, 0.0); (645141.0, 4199880.4, 0.0, 0.0, 0.0);
(645241.0, 4199880.4, 0.0, 0.0, 0.0); (645341.0, 4199880.4, 0.0, 0.0, 0.0);
(645441.0, 4199880.4, 0.0, 0.0, 0.0); (645541.0, 4199880.4, 0.0, 0.0, 0.0);
(645641.0, 4199880.4, 0.0, 0.0, 0.0); (645741.0, 4199880.4, 0.0, 0.0, 0.0);
(645841.0, 4199880.4, 0.0, 0.0, 0.0); (645941.0, 4199880.4, 0.0, 0.0, 0.0);
(646041.0, 4199880.4, 0.0, 0.0, 0.0); (646141.0, 4199880.4, 0.0, 0.0, 0.0);
(646241.0, 4199880.4, 0.0, 0.0, 0.0); (646341.0, 4199880.4, 0.0, 0.0, 0.0);
(646441.0, 4199880.4, 0.0, 0.0, 0.0); (646541.0, 4199880.4, 0.0, 0.0, 0.0);

```
     ( 646641.0, 4199880.4,       0.6,       0.6,       0.0);         ( 646741.0, 4199880.4,       0.5,       0.5,
0.0);
     ( 646841.0, 4199880.4,       0.0,       0.0,       0.0);         ( 646941.0, 4199880.4,       1.2,       1.2,
0.0);
     ( 647041.0, 4199880.4,       1.2,       1.2,       0.0);         ( 647141.0, 4199880.4,       1.2,       1.2,
0.0);
     ( 647241.0, 4199880.4,       1.2,       1.2,       0.0);         ( 647341.0, 4199880.4,       1.4,       1.4,
0.0);
     ( 644341.0, 4199980.4,       0.0,       0.0,       0.0);         ( 644441.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 644541.0, 4199980.4,       0.0,       0.0,       0.0);         ( 644641.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 644741.0, 4199980.4,       0.0,       0.0,       0.0);         ( 644841.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 644941.0, 4199980.4,       0.0,       0.0,       0.0);         ( 645041.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 645141.0, 4199980.4,       0.0,       0.0,       0.0);         ( 645241.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4199980.4,       0.0,       0.0,       0.0);         ( 645441.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4199980.4,       0.0,       0.0,       0.0);         ( 645641.0, 4199980.4,       0.1,       0.1,
0.0);
     ( 645741.0, 4199980.4,       0.3,       0.3,       0.0);         ( 645841.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 645941.0, 4199980.4,       0.0,       0.0,       0.0);         ( 646041.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 646141.0, 4199980.4,       0.0,       0.0,       0.0);         ( 646241.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 646341.0, 4199980.4,       0.0,       0.0,       0.0);         ( 646441.0, 4199980.4,       0.1,       0.1,
0.0);
     ( 646541.0, 4199980.4,       0.1,       0.1,       0.0);         ( 646641.0, 4199980.4,       0.0,       0.0,
0.0);
     ( 646741.0, 4199980.4,       0.3,       0.3,       0.0);         ( 646841.0, 4199980.4,       1.1,       1.1,
0.0);
     ( 646941.0, 4199980.4,       1.2,       1.2,       0.0);         ( 647041.0, 4199980.4,       1.2,       1.2,
0.0);
     ( 647141.0, 4199980.4,       1.2,       1.2,       0.0);         ( 647241.0, 4199980.4,       1.2,       1.2,
0.0);
     ( 647341.0, 4199980.4,       1.2,       1.2,       0.0);         ( 644341.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4200080.4,       0.0,       0.0,       0.0);         ( 644541.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4200080.4,       0.0,       0.0,       0.0);         ( 644741.0, 4200080.4,       0.0,       0.0,
0.0);
```

```
     ( 644841.0, 4200080.4,       0.0,       0.0,       0.0);         ( 644941.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645141.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645341.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645541.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645741.0, 4200080.4,       0.3,       0.3,
0.0);
     ( 645841.0, 4200080.4,       0.6,       0.6,       0.0);         ( 645941.0, 4200080.4,       1.1,       1.1,
0.0);
     ( 646041.0, 4200080.4,       1.5,       1.5,       0.0);         ( 646141.0, 4200080.4,       0.2,       0.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646241.0, 4200080.4, 0.2, 0.2, 0.0); (646341.0, 4200080.4, 0.1, 0.1, 0.0);
(646441.0, 4200080.4, 0.0, 0.0, 0.0); (646541.0, 4200080.4, 1.2, 1.2, 0.0);
(646641.0, 4200080.4, 1.2, 1.2, 0.0); (646741.0, 4200080.4, 1.2, 1.2, 0.0);
(646841.0, 4200080.4, 1.2, 1.2, 0.0); (646941.0, 4200080.4, 1.2, 1.2, 0.0);
(647041.0, 4200080.4, 1.2, 1.2, 0.0); (647141.0, 4200080.4, 1.5, 1.5, 0.0);
(647241.0, 4200080.4, 1.5, 1.5, 0.0); (647341.0, 4200080.4, 1.5, 1.5, 0.0);
(644341.0, 4200180.4, 0.0, 0.0, 0.0); (644441.0, 4200180.4, 0.0, 0.0, 0.0);
(644541.0, 4200180.4, 0.0, 0.0, 0.0); (644641.0, 4200180.4, 0.0, 0.0, 0.0);
(644741.0, 4200180.4, 0.0, 0.0, 0.0); (644841.0, 4200180.4, 0.0, 0.0, 0.0);
(644941.0, 4200180.4, 0.0, 0.0, 0.0); (645041.0, 4200180.4, 0.0, 0.0, 0.0);
(645141.0, 4200180.4, 0.0, 0.0, 0.0); (645241.0, 4200180.4, 0.0, 0.0, 0.0);
(645341.0, 4200180.4, 0.0, 0.0, 0.0); (645441.0, 4200180.4, 0.0, 0.0, 0.0);
(645541.0, 4200180.4, 0.0, 0.0, 0.0); (645641.0, 4200180.4, 0.0, 0.0, 0.0);
(645741.0, 4200180.4, 0.3, 0.3, 0.0); (645841.0, 4200180.4, 0.7, 0.7, 0.0);
(645941.0, 4200180.4, 1.1, 1.1, 0.0); (646041.0, 4200180.4, 1.4, 1.4, 0.0);
(646141.0, 4200180.4, 1.2, 1.2, 0.0); (646241.0, 4200180.4, 0.9, 0.9, 0.0);

```
     ( 646341.0, 4200180.4,       0.0,       0.0,       0.0);         ( 646441.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646541.0, 4200180.4,       1.2,       1.2,       0.0);         ( 646641.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646741.0, 4200180.4,       1.2,       1.2,       0.0);         ( 646841.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646941.0, 4200180.4,       1.2,       1.2,       0.0);         ( 647041.0, 4200180.4,       1.3,       1.3,
0.0);
     ( 647141.0, 4200180.4,       1.5,       1.5,       0.0);         ( 647241.0, 4200180.4,       1.5,       1.5,
0.0);
     ( 647341.0, 4200180.4,       1.5,       1.5,       0.0);         ( 644341.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644541.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644741.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644841.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644941.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645141.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645341.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645541.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645741.0, 4200280.4,       0.5,       0.5,
0.0);
     ( 645841.0, 4200280.4,       0.6,       0.6,       0.0);         ( 645941.0, 4200280.4,       0.9,       0.9,
0.0);
     ( 646041.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646141.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 646241.0, 4200280.4,       0.0,       0.0,       0.0);         ( 646341.0, 4200280.4,       0.9,       0.9,
0.0);
     ( 646441.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646541.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 646641.0, 4200280.4,       1.0,       1.0,       0.0);         ( 646741.0, 4200280.4,       1.0,       1.0,
0.0);
     ( 646841.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646941.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 647041.0, 4200280.4,       1.2,       1.2,       0.0);         ( 647141.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 647241.0, 4200280.4,       1.3,       1.3,       0.0);         ( 647341.0, 4200280.4,       1.3,       1.3,
0.0);
     ( 644341.0, 4200380.4,       0.0,       0.0,       0.0);         ( 644441.0, 4200380.4,       0.0,       0.0,
0.0);
```

```
     ( 644541.0, 4200380.4,       0.2,       0.2,       0.0);        ( 644641.0, 4200380.4,       0.2,       0.2,
0.0);
     ( 644741.0, 4200380.4,       0.2,       0.2,       0.0);        ( 644841.0, 4200380.4,       0.2,       0.2,
0.0);
     ( 644941.0, 4200380.4,       0.2,       0.2,       0.0);        ( 645041.0, 4200380.4,       0.2,       0.2,
0.0);
     ( 645141.0, 4200380.4,       0.2,       0.2,       0.0);        ( 645241.0, 4200380.4,       0.2,       0.2,
0.0);
     ( 645341.0, 4200380.4,       0.2,       0.2,       0.0);        ( 645441.0, 4200380.4,       0.7,       0.7,
0.0);
     ( 645541.0, 4200380.4,       0.0,       0.0,       0.0);        ( 645641.0, 4200380.4,       0.1,       0.1,
0.0);
     ( 645741.0, 4200380.4,       0.1,       0.1,       0.0);        ( 645841.0, 4200380.4,       0.1,       0.1,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645941.0, 4200380.4, 0.0, 0.0, 0.0); (646041.0, 4200380.4, 0.0, 0.0, 0.0);
(646141.0, 4200380.4, 0.0, 0.0, 0.0); (646241.0, 4200380.4, 0.1, 0.1, 0.0);
(646341.0, 4200380.4, 1.2, 1.2, 0.0); (646441.0, 4200380.4, 1.2, 1.2, 0.0);
(646541.0, 4200380.4, 1.2, 1.2, 0.0); (646641.0, 4200380.4, 1.0, 1.0, 0.0);
(646741.0, 4200380.4, 1.0, 1.0, 0.0); (646841.0, 4200380.4, 1.2, 1.2, 0.0);
(646941.0, 4200380.4, 1.2, 1.2, 0.0); (647041.0, 4200380.4, 1.2, 1.2, 0.0);
(647141.0, 4200380.4, 1.2, 1.2, 0.0); (647241.0, 4200380.4, 1.2, 1.2, 0.0);
(647341.0, 4200380.4, 1.3, 1.3, 0.0); (644341.0, 4200480.4, 0.5, 0.5, 0.0);
(644441.0, 4200480.4, 0.5, 0.5, 0.0); (644541.0, 4200480.4, 1.4, 1.4, 0.0);
(644641.0, 4200480.4, 1.5, 1.5, 0.0); (644741.0, 4200480.4, 1.5, 1.5, 0.0);
(644841.0, 4200480.4, 1.4, 1.4, 0.0); (644941.0, 4200480.4, 1.2, 1.2, 0.0);
(645041.0, 4200480.4, 1.2, 1.2, 0.0); (645141.0, 4200480.4, 1.2, 1.2, 0.0);
(645241.0, 4200480.4, 1.2, 1.2, 0.0); (645341.0, 4200480.4, 1.2, 1.2, 0.0);
(645441.0, 4200480.4, 0.1, 0.1, 0.0); (645541.0, 4200480.4, 0.7, 0.7, 0.0);
(645641.0, 4200480.4, 1.1, 1.1, 0.0); (645741.0, 4200480.4, 1.1, 1.1, 0.0);
(645841.0, 4200480.4, 1.1, 1.1, 0.0); (645941.0, 4200480.4, 1.4, 1.4, 0.0);

```
     ( 646041.0, 4200480.4,      1.5,      1.5,      0.0);      ( 646141.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646241.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646341.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646441.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646541.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646641.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646741.0, 4200480.4,      1.3,      1.3,
0.0);
     ( 646841.0, 4200480.4,      1.4,      1.4,      0.0);      ( 646941.0, 4200480.4,      1.4,      1.4,
0.0);
     ( 647041.0, 4200480.4,      1.5,      1.5,      0.0);      ( 647141.0, 4200480.4,      1.5,      1.5,
0.0);
     ( 647241.0, 4200480.4,      1.5,      1.5,      0.0);      ( 647341.0, 4200480.4,      1.5,      1.5,
0.0);
     ( 644341.0, 4200580.4,      1.2,      1.2,      0.0);      ( 644441.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644541.0, 4200580.4,      1.5,      1.5,      0.0);      ( 644641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 644841.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645041.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 645141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645241.0, 4200580.4,      0.8,      0.8,
0.0);
     ( 645341.0, 4200580.4,      0.8,      0.8,      0.0);      ( 645441.0, 4200580.4,      0.0,      0.0,
0.0);
     ( 645541.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 645741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645841.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 645941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646041.0, 4200580.4,      1.8,      1.8,
0.0);
     ( 646141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646241.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 646341.0, 4200580.4,      1.2,      1.2,      0.0);      ( 646441.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 646541.0, 4200580.4,      1.4,      1.4,      0.0);      ( 646641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 646741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646841.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 646941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 647041.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 647141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 647241.0, 4200580.4,      1.5,      1.5,
0.0);
```

```
     ( 647341.0, 4200580.4,       1.5,       1.5,       0.0);        ( 644341.0, 4200680.4,       1.4,       1.4,
0.0);
     ( 644441.0, 4200680.4,       1.2,       1.2,       0.0);        ( 644541.0, 4200680.4,       1.2,       1.2,
0.0);
     ( 644641.0, 4200680.4,       1.2,       1.2,       0.0);        ( 644741.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 644841.0, 4200680.4,       1.5,       1.5,       0.0);        ( 644941.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 645041.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645141.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 645241.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645341.0, 4200680.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645541.0, 4200680.4,       1.5,       1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645641.0, 4200680.4, 1.6, 1.6, 0.0); (645741.0, 4200680.4, 1.5, 1.5, 0.0);
(645841.0, 4200680.4, 1.5, 1.5, 0.0); (645941.0, 4200680.4, 1.6, 1.6, 0.0);
(646041.0, 4200680.4, 1.8, 1.8, 0.0); (646141.0, 4200680.4, 1.5, 1.5, 0.0);
(646241.0, 4200680.4, 1.2, 1.2, 0.0); (646341.0, 4200680.4, 1.2, 1.2, 0.0);
(646441.0, 4200680.4, 1.2, 1.2, 0.0); (646541.0, 4200680.4, 1.2, 1.2, 0.0);
(646641.0, 4200680.4, 1.5, 1.5, 0.0); (646741.0, 4200680.4, 1.5, 1.5, 0.0);
(646841.0, 4200680.4, 1.5, 1.5, 0.0); (646941.0, 4200680.4, 1.5, 1.5, 0.0);
(647041.0, 4200680.4, 1.5, 1.5, 0.0); (647141.0, 4200680.4, 1.5, 1.5, 0.0);
(647241.0, 4200680.4, 1.5, 1.5, 0.0); (647341.0, 4200680.4, 1.5, 1.5, 0.0);
(644341.0, 4200780.4, 0.9, 0.9, 0.0); (644441.0, 4200780.4, 1.1, 1.1, 0.0);
(644541.0, 4200780.4, 1.2, 1.2, 0.0); (644641.0, 4200780.4, 1.2, 1.2, 0.0);
(644741.0, 4200780.4, 1.2, 1.2, 0.0); (644841.0, 4200780.4, 1.2, 1.2, 0.0);
(644941.0, 4200780.4, 1.3, 1.3, 0.0); (645041.0, 4200780.4, 1.5, 1.5, 0.0);
(645141.0, 4200780.4, 1.5, 1.5, 0.0); (645241.0, 4200780.4, 1.5, 1.5, 0.0);
(645341.0, 4200780.4, 0.3, 0.3, 0.0); (645441.0, 4200780.4, 0.0, 0.0, 0.0);
(645541.0, 4200780.4, 0.2, 0.2, 0.0); (645641.0, 4200780.4, 1.6, 1.6, 0.0);

```
    ( 645741.0, 4200780.4,      1.8,      1.8,      0.0);      ( 646041.0, 4200780.4,      1.8,      1.8,
0.0);
    ( 646141.0, 4200780.4,      1.5,      1.5,      0.0);      ( 646241.0, 4200780.4,      1.4,      1.4,
0.0);
    ( 646341.0, 4200780.4,      1.2,      1.2,      0.0);      ( 646441.0, 4200780.4,      1.2,      1.2,
0.0);
    ( 646541.0, 4200780.4,      1.2,      1.2,      0.0);      ( 646641.0, 4200780.4,      1.2,      1.2,
0.0);
    ( 646741.0, 4200780.4,      1.5,      1.5,      0.0);      ( 646841.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 646941.0, 4200780.4,      1.5,      1.5,      0.0);      ( 647041.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 647141.0, 4200780.4,      1.5,      1.5,      0.0);      ( 647241.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 647341.0, 4200780.4,      1.5,      1.5,      0.0);      ( 644341.0, 4200880.4,      0.7,      0.7,
0.0);
    ( 644441.0, 4200880.4,      0.9,      0.9,      0.0);      ( 644541.0, 4200880.4,      0.9,      0.9,
0.0);
    ( 644641.0, 4200880.4,      1.2,      1.2,      0.0);      ( 644741.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 644841.0, 4200880.4,      1.2,      1.2,      0.0);      ( 644941.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 645041.0, 4200880.4,      1.2,      1.2,      0.0);      ( 645141.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 645241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 645341.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 645441.0, 4200880.4,      1.5,      1.5,      0.0);      ( 645541.0, 4200880.4,      0.9,      0.9,
0.0);
    ( 645641.0, 4200880.4,      0.0,      0.0,      0.0);      ( 645741.0, 4200880.4,      1.8,      1.8,
0.0);
    ( 645841.0, 4200880.4,      1.9,      1.9,      0.0);      ( 645941.0, 4200880.4,      2.3,      2.3,
0.0);
    ( 646041.0, 4200880.4,      2.4,      2.4,      0.0);      ( 646141.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 646241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 646341.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 646441.0, 4200880.4,      1.2,      1.2,      0.0);      ( 646541.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 646641.0, 4200880.4,      1.0,      1.0,      0.0);      ( 646741.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 646841.0, 4200880.4,      1.5,      1.5,      0.0);      ( 646941.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 647041.0, 4200880.4,      1.5,      1.5,      0.0);      ( 647141.0, 4200880.4,      1.5,      1.5,
0.0);
```

```
     ( 647241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 647341.0, 4200880.4,      1.5,      1.5,
0.0);
     ( 644341.0, 4200980.4,      0.6,      0.6,      0.0);      ( 644441.0, 4200980.4,      0.9,      0.9,
0.0);
     ( 644541.0, 4200980.4,      0.9,      0.9,      0.0);      ( 644641.0, 4200980.4,      0.9,      0.9,
0.0);
     ( 644741.0, 4200980.4,      1.2,      1.2,      0.0);      ( 644841.0, 4200980.4,      1.2,      1.2,
0.0);
     ( 644941.0, 4200980.4,      1.2,      1.2,      0.0);      ( 645041.0, 4200980.4,      1.2,      1.2,
0.0);
     ( 645141.0, 4200980.4,      1.2,      1.2,      0.0);      ( 645241.0, 4200980.4,      1.5,      1.5,
0.0);
     ( 645341.0, 4200980.4,      1.5,      1.5,      0.0);      ( 645441.0, 4200980.4,      1.5,      1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645541.0, 4200980.4, 1.5, 1.5, 0.0); (645641.0, 4200980.4, 0.8, 0.8, 0.0);
(645741.0, 4200980.4, 1.4, 1.4, 0.0); (645841.0, 4200980.4, 2.2, 2.2, 0.0);
(645941.0, 4200980.4, 3.3, 3.3, 0.0); (646041.0, 4200980.4, 4.1, 4.1, 0.0);
(646141.0, 4200980.4, 2.2, 2.2, 0.0); (646241.0, 4200980.4, 1.5, 1.5, 0.0);
(646341.0, 4200980.4, 1.5, 1.5, 0.0); (646441.0, 4200980.4, 1.5, 1.5, 0.0);
(646541.0, 4200980.4, 1.2, 1.2, 0.0); (646641.0, 4200980.4, 1.0, 1.0, 0.0);
(646741.0, 4200980.4, 1.0, 1.0, 0.0); (646841.0, 4200980.4, 1.2, 1.2, 0.0);
(646941.0, 4200980.4, 1.5, 1.5, 0.0); (647041.0, 4200980.4, 1.5, 1.5, 0.0);
(647141.0, 4200980.4, 1.5, 1.5, 0.0); (647241.0, 4200980.4, 1.5, 1.5, 0.0);
(647341.0, 4200980.4, 1.5, 1.5, 0.0); (644341.0, 4201080.4, 0.6, 0.6, 0.0);
(644441.0, 4201080.4, 0.7, 0.7, 0.0); (644541.0, 4201080.4, 0.9, 0.9, 0.0);
(644641.0, 4201080.4, 1.0, 1.0, 0.0); (644741.0, 4201080.4, 1.2, 1.2, 0.0);
(644841.0, 4201080.4, 1.2, 1.2, 0.0); (644941.0, 4201080.4, 1.2, 1.2, 0.0);
(645041.0, 4201080.4, 1.4, 1.4, 0.0); (645141.0, 4201080.4, 1.5, 1.5, 0.0);
(645241.0, 4201080.4, 1.5, 1.5, 0.0); (645341.0, 4201080.4, 1.5, 1.5, 0.0);
(645441.0, 4201080.4, 1.5, 1.5, 0.0); (645541.0, 4201080.4, 1.5, 1.5, 0.0);

```
    ( 645641.0, 4201080.4,      1.5,      1.5,      0.0);      ( 645741.0, 4201080.4,      0.0,      0.0,
0.0);
    ( 645841.0, 4201080.4,      2.8,      2.8,      0.0);      ( 645941.0, 4201080.4,      3.3,      3.3,
0.0);
    ( 646041.0, 4201080.4,      5.8,      5.8,      0.0);      ( 646141.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646241.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646341.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646441.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646541.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646641.0, 4201080.4,      1.2,      1.2,      0.0);      ( 646741.0, 4201080.4,      1.2,      1.2,
0.0);
    ( 646841.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646941.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 647041.0, 4201080.4,      1.7,      1.7,      0.0);      ( 647141.0, 4201080.4,      1.7,      1.7,
0.0);
    ( 647241.0, 4201080.4,      1.7,      1.7,      0.0);      ( 647341.0, 4201080.4,      1.7,      1.7,
0.0);
    ( 644341.0, 4201180.4,      0.6,      0.6,      0.0);      ( 644441.0, 4201180.4,      0.6,      0.6,
0.0);
    ( 644541.0, 4201180.4,      0.9,      0.9,      0.0);      ( 644641.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 644741.0, 4201180.4,      1.2,      1.2,      0.0);      ( 644841.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 644941.0, 4201180.4,      1.2,      1.2,      0.0);      ( 645041.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 645141.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645241.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645341.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645441.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645541.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645641.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645741.0, 4201180.4,      1.3,      1.3,      0.0);      ( 645841.0, 4201180.4,      0.0,      0.0,
0.0);
    ( 645941.0, 4201180.4,      1.0,      1.0,      0.0);      ( 646041.0, 4201180.4,      2.4,      2.4,
0.0);
    ( 646141.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646241.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646341.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646441.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646541.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646641.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646741.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646841.0, 4201180.4,      1.8,      1.8,
0.0);
```

```
     ( 646941.0, 4201180.4,       2.1,       2.1,       0.0);        ( 647041.0, 4201180.4,       2.1,       2.1,
0.0);
     ( 647141.0, 4201180.4,       2.4,       2.4,       0.0);        ( 647241.0, 4201180.4,       2.4,       2.4,
0.0);
     ( 647341.0, 4201180.4,       2.3,       2.3,       0.0);        ( 644341.0, 4201280.4,       0.6,       0.6,
0.0);
     ( 644441.0, 4201280.4,       0.6,       0.6,       0.0);        ( 644541.0, 4201280.4,       0.9,       0.9,
0.0);
     ( 644641.0, 4201280.4,       1.2,       1.2,       0.0);        ( 644741.0, 4201280.4,       1.2,       1.2,
0.0);
     ( 644841.0, 4201280.4,       1.2,       1.2,       0.0);        ( 644941.0, 4201280.4,       1.2,       1.2,
0.0);
     ( 645041.0, 4201280.4,       1.2,       1.2,       0.0);        ( 645141.0, 4201280.4,       1.2,       1.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645241.0, 4201280.4, 1.5, 1.5, 0.0); (645341.0, 4201280.4, 1.5, 1.5, 0.0);
(645441.0, 4201280.4, 1.5, 1.5, 0.0); (645541.0, 4201280.4, 1.5, 1.5, 0.0);
(645641.0, 4201280.4, 1.5, 1.5, 0.0); (645741.0, 4201280.4, 1.5, 1.5, 0.0);
(645841.0, 4201280.4, 2.5, 2.5, 0.0); (645941.0, 4201280.4, 2.5, 5.5, 0.0);
(646041.0, 4201280.4, 0.0, 0.0, 0.0); (646141.0, 4201280.4, 1.6, 1.6, 0.0);
(646241.0, 4201280.4, 1.5, 1.5, 0.0); (646341.0, 4201280.4, 1.6, 1.6, 0.0);
(646441.0, 4201280.4, 1.6, 1.6, 0.0); (646541.0, 4201280.4, 2.2, 2.2, 0.0);
(646641.0, 4201280.4, 2.4, 2.4, 0.0); (646741.0, 4201280.4, 2.5, 2.5, 0.0);
(646841.0, 4201280.4, 2.5, 2.5, 0.0); (646941.0, 4201280.4, 2.5, 2.5, 0.0);
(647041.0, 4201280.4, 2.8, 2.8, 0.0); (647141.0, 4201280.4, 2.9, 2.9, 0.0);
(647241.0, 4201280.4, 3.0, 3.0, 0.0); (647341.0, 4201280.4, 3.0, 3.0, 0.0);
(644341.0, 4201380.4, 0.6, 0.6, 0.0); (644441.0, 4201380.4, 0.8, 0.8, 0.0);
(644541.0, 4201380.4, 0.9, 0.9, 0.0); (644641.0, 4201380.4, 1.2, 1.2, 0.0);
(644741.0, 4201380.4, 1.2, 1.2, 0.0); (644841.0, 4201380.4, 1.2, 1.2, 0.0);
(644941.0, 4201380.4, 1.2, 1.2, 0.0); (645041.0, 4201380.4, 1.2, 1.2, 0.0);
(645141.0, 4201380.4, 1.2, 1.2, 0.0); (645241.0, 4201380.4, 1.3, 1.3, 0.0);

```
     ( 645341.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645441.0, 4201380.4,       1.5,       1.5,
0.0);
     ( 645541.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645641.0, 4201380.4,       1.5,       1.5,
0.0);
     ( 645741.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645841.0, 4201380.4,       2.0,       2.0,
0.0);
     ( 645941.0, 4201380.4,       2.8,       2.8,       0.0);       ( 646041.0, 4201380.4,       2.9,       2.9,
0.0);
     ( 646141.0, 4201380.4,       0.0,       0.0,       0.0);       ( 646241.0, 4201380.4,       1.9,       1.9,
0.0);
     ( 646341.0, 4201380.4,       2.6,       2.6,       0.0);       ( 646441.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646541.0, 4201380.4,       3.0,       3.0,       0.0);       ( 646641.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646741.0, 4201380.4,       3.0,       3.0,       0.0);       ( 646841.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646941.0, 4201380.4,       3.0,       3.0,       0.0);       ( 647041.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 647141.0, 4201380.4,       3.0,       3.0,       0.0);       ( 647241.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 647341.0, 4201380.4,       3.0,       3.0,       0.0);       ( 644341.0, 4201480.4,       0.6,       0.6,
0.0);
     ( 644441.0, 4201480.4,       0.9,       0.9,       0.0);       ( 644541.0, 4201480.4,       0.9,       0.9,
0.0);
     ( 644641.0, 4201480.4,       1.0,       1.0,       0.0);       ( 644741.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 644841.0, 4201480.4,       1.2,       1.2,       0.0);       ( 644941.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 645041.0, 4201480.4,       1.2,       1.2,       0.0);       ( 645141.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 645241.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645341.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645441.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645541.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645641.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645741.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645841.0, 4201480.4,       1.9,       1.9,       0.0);       ( 645941.0, 4201480.4,       2.6,       2.6,
0.0);
     ( 646041.0, 4201480.4,       2.8,       2.8,       0.0);       ( 646141.0, 4201480.4,       0.0,       0.0,
0.0);
     ( 646241.0, 4201480.4,       1.6,       1.6,       0.0);       ( 646341.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 646441.0, 4201480.4,       3.0,       3.0,       0.0);       ( 646541.0, 4201480.4,       3.2,       3.2,
0.0);
```

```
     ( 646641.0, 4201480.4,       3.0,       3.0,       0.0);       ( 646741.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 646841.0, 4201480.4,       2.8,       2.8,       0.0);       ( 646941.0, 4201480.4,       2.8,       2.8,
0.0);
     ( 647041.0, 4201480.4,       2.7,       2.7,       0.0);       ( 647141.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 647241.0, 4201480.4,       2.7,       2.7,       0.0);       ( 647341.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 644341.0, 4201580.4,       0.6,       0.6,       0.0);       ( 644441.0, 4201580.4,       0.9,       0.9,
0.0);
     ( 644541.0, 4201580.4,       0.9,       0.9,       0.0);       ( 644641.0, 4201580.4,       1.0,       1.0,
0.0);
     ( 644741.0, 4201580.4,       1.2,       1.2,       0.0);       ( 644841.0, 4201580.4,       1.2,       1.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644941.0, 4201580.4, 1.2, 1.2, 0.0); (645041.0, 4201580.4, 1.3, 1.3, 0.0);
(645141.0, 4201580.4, 1.5, 1.5, 0.0); (645241.0, 4201580.4, 1.5, 1.5, 0.0);
(645341.0, 4201580.4, 1.6, 1.6, 0.0); (645441.0, 4201580.4, 1.8, 1.8, 0.0);
(645541.0, 4201580.4, 2.2, 2.2, 0.0); (645641.0, 4201580.4, 1.5, 1.5, 0.0);
(645741.0, 4201580.4, 1.2, 1.2, 0.0); (645841.0, 4201580.4, 1.6, 1.6, 0.0);
(645941.0, 4201580.4, 2.5, 2.5, 0.0); (646041.0, 4201580.4, 3.0, 3.0, 0.0);
(646141.0, 4201580.4, 0.0, 0.0, 0.0); (646241.0, 4201580.4, 0.0, 0.0, 0.0);
(646341.0, 4201580.4, 2.7, 2.7, 0.0); (646441.0, 4201580.4, 2.7, 2.7, 0.0);
(646541.0, 4201580.4, 3.0, 3.0, 0.0); (646641.0, 4201580.4, 2.8, 2.8, 0.0);
(646741.0, 4201580.4, 2.7, 2.7, 0.0); (646841.0, 4201580.4, 2.7, 2.7, 0.0);
(646941.0, 4201580.4, 2.7, 2.7, 0.0); (647041.0, 4201580.4, 2.3, 2.3, 0.0);
(647141.0, 4201580.4, 2.0, 2.0, 0.0); (647241.0, 4201580.4, 2.4, 2.4, 0.0);
(647341.0, 4201580.4, 2.7, 2.7, 0.0); (644341.0, 4201680.4, 0.6, 0.6, 0.0);
(644441.0, 4201680.4, 0.9, 0.9, 0.0); (644541.0, 4201680.4, 0.9, 0.9, 0.0);
(644641.0, 4201680.4, 1.2, 1.2, 0.0); (644741.0, 4201680.4, 1.2, 1.2, 0.0);
(644841.0, 4201680.4, 1.2, 1.2, 0.0); (644941.0, 4201680.4, 1.5, 1.5, 0.0);

```
    ( 645041.0, 4201680.4,      1.5,      1.5,      0.0);      ( 645141.0, 4201680.4,      1.5,      1.5,
0.0);
    ( 645241.0, 4201680.4,      1.7,      1.7,      0.0);      ( 645341.0, 4201680.4,      2.1,      2.1,
0.0);
    ( 645441.0, 4201680.4,      2.3,      2.3,      0.0);      ( 645541.0, 4201680.4,      2.7,      2.7,
0.0);
    ( 645641.0, 4201680.4,      2.3,      2.3,      0.0);      ( 645741.0, 4201680.4,      1.2,      1.2,
0.0);
    ( 645841.0, 4201680.4,      1.7,      1.7,      0.0);      ( 645941.0, 4201680.4,      3.0,      3.0,
0.0);
    ( 646041.0, 4201680.4,      1.5,      3.0,      0.0);      ( 646141.0, 4201680.4,      0.0,      0.0,
0.0);
    ( 646241.0, 4201680.4,      0.0,      0.0,      0.0);      ( 646341.0, 4201680.4,      0.0,      0.0,
0.0);
    ( 646441.0, 4201680.4,      2.7,      2.7,      0.0);      ( 646541.0, 4201680.4,      2.8,      2.8,
0.0);
    ( 646641.0, 4201680.4,      2.7,      2.7,      0.0);      ( 646741.0, 4201680.4,      2.4,      2.4,
0.0);
    ( 646841.0, 4201680.4,      2.4,      2.4,      0.0);      ( 646941.0, 4201680.4,      2.3,      2.3,
0.0);
    ( 647041.0, 4201680.4,      0.0,      0.0,      0.0);      ( 647141.0, 4201680.4,      1.8,      1.8,
0.0);
    ( 647241.0, 4201680.4,      2.3,      2.3,      0.0);      ( 647341.0, 4201680.4,      2.3,      2.3,
0.0);
    ( 644341.0, 4201780.4,      0.9,      0.9,      0.0);      ( 644441.0, 4201780.4,      0.9,      0.9,
0.0);
    ( 644541.0, 4201780.4,      1.2,      1.2,      0.0);      ( 644641.0, 4201780.4,      1.2,      1.2,
0.0);
    ( 644741.0, 4201780.4,      1.5,      1.5,      0.0);      ( 644841.0, 4201780.4,      1.5,      1.5,
0.0);
    ( 644941.0, 4201780.4,      1.6,      1.6,      0.0);      ( 645041.0, 4201780.4,      2.0,      2.0,
0.0);
    ( 645141.0, 4201780.4,      2.1,      2.1,      0.0);      ( 645241.0, 4201780.4,      2.4,      2.4,
0.0);
    ( 645341.0, 4201780.4,      2.7,      2.7,      0.0);      ( 645441.0, 4201780.4,      2.7,      2.7,
0.0);
    ( 645541.0, 4201780.4,      3.0,      3.0,      0.0);      ( 645641.0, 4201780.4,      3.0,      3.0,
0.0);
    ( 645741.0, 4201780.4,      3.0,      3.0,      0.0);      ( 645841.0, 4201780.4,      0.4,      3.0,
0.0);
    ( 645941.0, 4201780.4,      0.0,      0.0,      0.0);      ( 646041.0, 4201780.4,      0.0,      0.0,
0.0);
    ( 646141.0, 4201780.4,      0.0,      0.0,      0.0);      ( 646241.0, 4201780.4,      0.0,      0.0,
0.0);
```

```
     ( 646341.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646441.0, 4201780.4,       0.0,       0.0,
0.0);
     ( 646541.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646641.0, 4201780.4,       0.0,       0.0,
0.0);
     ( 646741.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646841.0, 4201780.4,       0.4,       0.4,
0.0);
     ( 646941.0, 4201780.4,       0.0,       0.0,       0.0);        ( 647041.0, 4201780.4,       0.1,       0.1,
0.0);
     ( 647141.0, 4201780.4,       0.4,       0.4,       0.0);        ( 647241.0, 4201780.4,       0.4,       0.4,
0.0);
     ( 647341.0, 4201780.4,       2.1,       2.1,       0.0);        ( 644341.0, 4201880.4,       0.9,       0.9,
0.0);
     ( 644441.0, 4201880.4,       1.2,       1.2,       0.0);        ( 644541.0, 4201880.4,       1.3,       1.3,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644641.0, 4201880.4, 1.5, 1.5, 0.0); (644741.0, 4201880.4, 1.8, 1.8, 0.0);
(644841.0, 4201880.4, 1.9, 1.9, 0.0); (644941.0, 4201880.4, 2.2, 2.2, 0.0);
(645041.0, 4201880.4, 2.6, 2.6, 0.0); (645141.0, 4201880.4, 2.8, 2.8, 0.0);
(645241.0, 4201880.4, 2.9, 2.9, 0.0); (645341.0, 4201880.4, 3.0, 3.0, 0.0);
(645441.0, 4201880.4, 2.3, 2.3, 0.0); (645541.0, 4201880.4, 0.0, 0.0, 0.0);
(645641.0, 4201880.4, 0.0, 0.0, 0.0); (645741.0, 4201880.4, 0.0, 0.0, 0.0);
(645841.0, 4201880.4, 0.0, 0.0, 0.0); (645941.0, 4201880.4, 0.0, 0.0, 0.0);
(646041.0, 4201880.4, 0.5, 3.0, 0.0); (646141.0, 4201880.4, 3.0, 3.0, 0.0);
(646241.0, 4201880.4, 3.0, 3.0, 0.0); (646341.0, 4201880.4, 0.7, 0.7, 0.0);
(646441.0, 4201880.4, 3.0, 3.0, 0.0); (646541.0, 4201880.4, 1.5, 1.5, 0.0);
(646641.0, 4201880.4, 0.2, 0.2, 0.0); (646741.0, 4201880.4, 0.3, 0.3, 0.0);
(646841.0, 4201880.4, 0.0, 0.0, 0.0); (646941.0, 4201880.4, 0.0, 0.0, 0.0);
(647041.0, 4201880.4, 0.0, 0.0, 0.0); (647141.0, 4201880.4, 0.0, 0.0, 0.0);
(647241.0, 4201880.4, 0.0, 0.0, 0.0); (647341.0, 4201880.4, 0.0, 0.0, 0.0);
(644341.0, 4201980.4, 1.3, 1.3, 0.0); (644441.0, 4201980.4, 1.5, 1.5, 0.0);
(644541.0, 4201980.4, 1.8, 1.8, 0.0); (644641.0, 4201980.4, 2.1, 2.1, 0.0);

```
     ( 644741.0, 4201980.4,       2.6,       2.6,       0.0);       ( 644841.0, 4201980.4,       2.9,       2.9,
0.0);
     ( 644941.0, 4201980.4,       3.0,       3.0,       0.0);       ( 645041.0, 4201980.4,       2.8,       2.8,
0.0);
     ( 645141.0, 4201980.4,       1.5,       1.5,       0.0);       ( 645241.0, 4201980.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4201980.4,       0.0,       0.0,       0.0);       ( 645441.0, 4201980.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4201980.4,       0.0,       0.0,       0.0);       ( 645641.0, 4201980.4,       0.9,       3.0,
0.0);
     ( 645741.0, 4201980.4,       3.2,       3.2,       0.0);       ( 645841.0, 4201980.4,       3.0,       3.0,
0.0);
     ( 645941.0, 4201980.4,       1.3,       1.3,       0.0);       ( 646041.0, 4201980.4,       2.8,       2.8,
0.0);
     ( 646141.0, 4201980.4,       2.9,       2.9,       0.0);       ( 646241.0, 4201980.4,       3.0,       3.0,
0.0);
     ( 646341.0, 4201980.4,       2.9,       2.9,       0.0);       ( 646441.0, 4201980.4,       2.7,       2.7,
0.0);
     ( 646541.0, 4201980.4,       2.4,       2.4,       0.0);       ( 646641.0, 4201980.4,       1.7,       1.7,
0.0);
     ( 646741.0, 4201980.4,       1.5,       1.5,       0.0);       ( 646841.0, 4201980.4,       1.5,       1.5,
0.0);
     ( 646941.0, 4201980.4,       1.5,       1.5,       0.0);       ( 647041.0, 4201980.4,       1.5,       1.5,
0.0);
     ( 647141.0, 4201980.4,       1.5,       1.5,       0.0);       ( 647241.0, 4201980.4,       0.8,       0.8,
0.0);
     ( 647341.0, 4201980.4,       0.8,       0.8,       0.0);       ( 644341.0, 4202080.4,       1.6,       1.6,
0.0);
     ( 644441.0, 4202080.4,       2.3,       2.3,       0.0);       ( 644541.0, 4202080.4,       2.7,       2.7,
0.0);
     ( 644641.0, 4202080.4,       2.7,       2.7,       0.0);       ( 644741.0, 4202080.4,       2.9,       2.9,
0.0);
     ( 644841.0, 4202080.4,       2.7,       2.7,       0.0);       ( 644941.0, 4202080.4,       2.0,       2.0,
0.0);
     ( 645041.0, 4202080.4,       0.0,       0.0,       0.0);       ( 645141.0, 4202080.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4202080.4,       0.0,       0.0,       0.0);       ( 645341.0, 4202080.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4202080.4,       1.2,       1.2,       0.0);       ( 645541.0, 4202080.4,       3.6,       3.6,
0.0);
     ( 645641.0, 4202080.4,       3.6,       3.6,       0.0);       ( 645741.0, 4202080.4,       3.3,       3.3,
0.0);
     ( 645841.0, 4202080.4,       3.0,       3.0,       0.0);       ( 645941.0, 4202080.4,       1.3,       1.3,
0.0);
```

```
     ( 646041.0, 4202080.4,       2.8,       2.8,       0.0);        ( 646141.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646241.0, 4202080.4,       3.0,       3.0,       0.0);        ( 646341.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646441.0, 4202080.4,       3.0,       3.0,       0.0);        ( 646541.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646641.0, 4202080.4,       2.7,       2.7,       0.0);        ( 646741.0, 4202080.4,       2.4,       2.4,
0.0);
     ( 646841.0, 4202080.4,       2.1,       2.1,       0.0);        ( 646941.0, 4202080.4,       1.9,       1.9,
0.0);
     ( 647041.0, 4202080.4,       1.5,       1.5,       0.0);        ( 647141.0, 4202080.4,       1.5,       1.5,
0.0);
     ( 647241.0, 4202080.4,       1.5,       1.5,       0.0);        ( 647341.0, 4202080.4,       1.5,       1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644341.0, 4202180.4, 2.9, 2.9, 0.0); (644441.0, 4202180.4, 3.0, 3.0, 0.0);
(644541.0, 4202180.4, 2.8, 2.8, 0.0); (644641.0, 4202180.4, 2.3, 2.3, 0.0);
(644741.0, 4202180.4, 0.0, 0.0, 0.0); (644841.0, 4202180.4, 0.0, 0.0, 0.0);
(644941.0, 4202180.4, 0.0, 0.0, 0.0); (645041.0, 4202180.4, 0.2, 0.2, 0.0);
(645141.0, 4202180.4, 0.3, 0.3, 0.0); (645241.0, 4202180.4, 2.4, 2.4, 0.0);
(645341.0, 4202180.4, 3.3, 3.3, 0.0); (645441.0, 4202180.4, 3.5, 3.5, 0.0);
(645541.0, 4202180.4, 4.6, 4.6, 0.0); (645641.0, 4202180.4, 4.3, 4.3, 0.0);
(645741.0, 4202180.4, 3.4, 3.4, 0.0); (645841.0, 4202180.4, 3.1, 3.1, 0.0);
(645941.0, 4202180.4, 3.0, 3.0, 0.0); (646041.0, 4202180.4, 3.0, 3.0, 0.0);
(646141.0, 4202180.4, 3.0, 3.0, 0.0); (646241.0, 4202180.4, 3.2, 3.2, 0.0);
(646341.0, 4202180.4, 2.7, 2.7, 0.0); (646441.0, 4202180.4, 1.5, 1.5, 0.0);
(646541.0, 4202180.4, 1.5, 1.5, 0.0); (646641.0, 4202180.4, 1.1, 1.1, 0.0);
(646741.0, 4202180.4, 3.0, 3.0, 0.0); (646841.0, 4202180.4, 3.0, 3.0, 0.0);
(646941.0, 4202180.4, 2.8, 2.8, 0.0); (647041.0, 4202180.4, 1.6, 1.6, 0.0);
(647141.0, 4202180.4, 1.5, 1.5, 0.0); (647241.0, 4202180.4, 1.5, 1.5, 0.0);
(647341.0, 4202180.4, 1.5, 1.5, 0.0); (644341.0, 4202280.4, 1.5, 1.5, 0.0);

```
     ( 644441.0, 4202280.4,       0.0,       0.0,       0.0);       ( 644541.0, 4202280.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4202280.4,       0.0,       0.0,       0.0);       ( 644741.0, 4202280.4,       0.4,       0.4,
0.0);
     ( 644841.0, 4202280.4,       0.8,       0.8,       0.0);       ( 644941.0, 4202280.4,       0.6,       0.6,
0.0);
     ( 645041.0, 4202280.4,       0.0,       0.0,       0.0);       ( 645141.0, 4202280.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4202280.4,       4.8,       4.8,       0.0);       ( 645341.0, 4202280.4,       5.2,       5.2,
0.0);
     ( 645441.0, 4202280.4,       5.8,       5.8,       0.0);       ( 645541.0, 4202280.4,       5.9,       5.9,
0.0);
     ( 645641.0, 4202280.4,       5.1,       5.1,       0.0);       ( 645741.0, 4202280.4,       4.7,       4.7,
0.0);
     ( 645841.0, 4202280.4,       4.4,       4.4,       0.0);       ( 645941.0, 4202280.4,       4.2,       4.2,
0.0);
     ( 646041.0, 4202280.4,       3.5,       3.5,       0.0);       ( 646141.0, 4202280.4,       2.8,       2.8,
0.0);
     ( 646241.0, 4202280.4,       1.7,       1.7,       0.0);       ( 646341.0, 4202280.4,       1.4,       1.4,
0.0);
     ( 646441.0, 4202280.4,       1.2,       1.2,       0.0);       ( 646541.0, 4202280.4,       1.6,       1.6,
0.0);
     ( 646641.0, 4202280.4,       2.1,       2.1,       0.0);       ( 646741.0, 4202280.4,       2.6,       2.6,
0.0);
     ( 646841.0, 4202280.4,       2.6,       2.6,       0.0);       ( 646941.0, 4202280.4,       2.0,       2.0,
0.0);
     ( 647041.0, 4202280.4,       1.8,       1.8,       0.0);       ( 647141.0, 4202280.4,       1.6,       1.6,
0.0);
     ( 647241.0, 4202280.4,       1.5,       1.5,       0.0);       ( 647341.0, 4202280.4,       1.5,       1.5,
0.0);
     ( 645946.0, 4200731.5,       1.8,       1.8,       0.0);       ( 645933.7, 4200896.5,       2.3,       2.3,
0.0);
     ( 645889.9, 4200889.8,       2.1,       2.1,       0.0);       ( 645847.2, 4200866.2,       1.9,       1.9,
0.0);
     ( 645698.0, 4200718.1,       1.7,       1.7,       0.0);       ( 645704.7, 4200712.5,       1.7,       1.7,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Stockton_2013-2017.SFC Met Version: 18081
Profile file: Stockton_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: STOCKTON Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-22.0	0.211	-9.000	-9.000	-999.	232.	48.8	0.07	2.20	1.00	2.78	149.	10.0	273.8	2.0
13	01	01	1	02	-14.6	0.158	-9.000	-9.000	-999.	152.	27.6	0.04	2.20	1.00	2.37	77.	10.0	273.8	2.0
13	01	01	1	03	-18.4	0.181	-9.000	-9.000	-999.	185.	36.0	0.06	2.20	1.00	2.52	97.	10.0	273.1	2.0
13	01	01	1	04	-6.7	0.105	-9.000	-9.000	-999.	84.	16.0	0.04	2.20	1.00	1.63	349.	10.0	272.5	2.0
13	01	01	1	05	-20.1	0.193	-9.000	-9.000	-999.	203.	40.9	0.04	2.20	1.00	2.86	356.	10.0	274.2	2.0
13	01	01	1	06	-3.9	0.081	-9.000	-9.000	-999.	64.	12.6	0.04	2.20	1.00	1.23	77.	10.0	273.8	2.0
13	01	01	1	07	-18.3	0.180	-9.000	-9.000	-999.	184.	35.8	0.06	2.20	1.00	2.52	255.	10.0	273.1	2.0
13	01	01	1	08	-26.9	0.259	-9.000	-9.000	-999.	316.	73.8	0.08	2.20	0.73	3.29	287.	10.0	274.2	2.0
13	01	01	1	09	-1.9	0.212	-9.000	-9.000	-999.	236.	461.6	0.05	2.20	0.39	2.81	315.	10.0	275.9	2.0
13	01	01	1	10	61.1	0.155	0.630	0.005	150.	147.	-5.5	0.04	2.20	0.27	1.60	336.	10.0	277.5	2.0

```
 13 01 01   1 11  110.2  0.238  1.137  0.005  488.  279.    -11.2  0.06   2.20   0.23    2.45  228.   10.0  279.9
2.0
 13 01 01   1 12  137.1  0.276  1.492  0.008  886.  347.    -14.0  0.08   2.20   0.22    2.69  286.   10.0  280.4
2.0
 13 01 01   1 13  141.1  0.271  1.531  0.007  929.  339.    -12.9  0.05   2.20   0.21    2.88  325.   10.0  282.5
2.0
 13 01 01   1 14  121.3  0.232  1.475  0.006  965.  269.     -9.4  0.04   2.20   0.22    2.57  356.   10.0  283.8
2.0
 13 01 01   1 15   78.7  0.218  1.287  0.005  988.  244.    -12.0  0.04   2.20   0.26    2.47  357.   10.0  284.2
2.0
 13 01 01   1 16   17.6  0.265  0.783  0.005  993.  327.    -96.0  0.03   2.20   0.35    3.59    2.   10.0  284.2
2.0
 13 01 01   1 17  -11.2  0.143 -9.000 -9.000 -999.  139.     24.1  0.04   2.20   0.60    2.16  346.   10.0  282.5
2.0
 13 01 01   1 18   -8.7  0.125 -9.000 -9.000 -999.  107.     20.6  0.08   2.20   1.00    1.67  273.   10.0  279.2
2.0
 13 01 01   1 19  -13.3  0.154 -9.000 -9.000 -999.  145.     26.0  0.06   2.20   1.00    2.15  238.   10.0  278.1
2.0
 13 01 01   1 20  -10.2  0.134 -9.000 -9.000 -999.  117.     21.4  0.06   2.20   1.00    1.89  230.   10.0  275.9
2.0
 13 01 01   1 21  -12.5  0.148 -9.000 -9.000 -999.  137.     24.2  0.05   2.20   1.00    2.11  300.   10.0  276.4
2.0
 13 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.05   2.20   1.00    0.00    0.   10.0  275.9
2.0
 13 01 01   1 23  -24.0  0.230 -9.000 -9.000 -999.  264.     57.9  0.04   2.20   1.00    3.36   80.   10.0  274.2
2.0
 13 01 01   1 24  -16.1  0.169 -9.000 -9.000 -999.  167.     31.3  0.06   2.20   1.00    2.36  100.   10.0  274.2
2.0
```

First hour of profile data

```
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 13 01 01 01   10.0 1  149.    2.78   273.8   99.0  -99.00  -99.00
```

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37889	646506.52	4202111.83	0.35272
645939.20	4200707.16	18.47537	644341.01	4199280.37	0.21380
644441.01	4199280.37	0.22674	644541.01	4199280.37	0.24146
644641.01	4199280.37	0.25833	644741.01	4199280.37	0.27759
644841.01	4199280.37	0.29921	644941.01	4199280.37	0.32284
645041.01	4199280.37	0.34765	645141.01	4199280.37	0.37238
645241.01	4199280.37	0.39542	645341.01	4199280.37	0.41513
645441.01	4199280.37	0.43073	645541.01	4199280.37	0.44287
645641.01	4199280.37	0.45351	645741.01	4199280.37	0.46497
645841.01	4199280.37	0.47860	645941.01	4199280.37	0.49413
646041.01	4199280.37	0.51018	646141.01	4199280.37	0.52517
646241.01	4199280.37	0.53791	646341.01	4199280.37	0.54753
646441.01	4199280.37	0.55348	646541.01	4199280.37	0.55557
646641.01	4199280.37	0.55393	646741.01	4199280.37	0.54892
646841.01	4199280.37	0.54122	646941.01	4199280.37	0.53061
647041.01	4199280.37	0.51851	647141.01	4199280.37	0.50474
647241.01	4199280.37	0.49020	647341.01	4199280.37	0.47489
644341.01	4199380.37	0.22602	644441.01	4199380.37	0.23990
644541.01	4199380.37	0.25565	644641.01	4199380.37	0.27375

644741.01	4199380.37	0.29465	644841.01	4199380.37	0.31857
644941.01	4199380.37	0.34535	645041.01	4199380.37	0.37425
645141.01	4199380.37	0.40388	645241.01	4199380.37	0.43225
645341.01	4199380.37	0.45718	645441.01	4199380.37	0.47724
645541.01	4199380.37	0.49291	645641.01	4199380.37	0.50655
645741.01	4199380.37	0.52114	645841.01	4199380.37	0.53825
645941.01	4199380.37	0.55723	646041.01	4199380.37	0.57608
646141.01	4199380.37	0.59286	646241.01	4199380.37	0.60631
646341.01	4199380.37	0.61575	646441.01	4199380.37	0.62079
646541.01	4199380.37	0.62133	646641.01	4199380.37	0.61753
646741.01	4199380.37	0.60975	646841.01	4199380.37	0.59849
646941.01	4199380.37	0.58441	647041.01	4199380.37	0.56852
647141.01	4199380.37	0.55088	647241.01	4199380.37	0.53234
647341.01	4199380.37	0.51312	644341.01	4199480.37	0.23953
644441.01	4199480.37	0.25464	644541.01	4199480.37	0.27165
644641.01	4199480.37	0.29114	644741.01	4199480.37	0.31377
644841.01	4199480.37	0.34010	644941.01	4199480.37	0.37029
645041.01	4199480.37	0.40383	645141.01	4199480.37	0.43930
645241.01	4199480.37	0.47435	645341.01	4199480.37	0.50606
645441.01	4199480.37	0.53211	645541.01	4199480.37	0.55255
645641.01	4199480.37	0.57025	645741.01	4199480.37	0.58906

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.61086	645941.01	4199480.37	0.63433
646041.01	4199480.37	0.65657	646141.01	4199480.37	0.67519
646241.01	4199480.37	0.68907	646341.01	4199480.37	0.69787
646441.01	4199480.37	0.70144	646541.01	4199480.37	0.69969
646641.01	4199480.37	0.69270	646741.01	4199480.37	0.68086
646841.01	4199480.37	0.66522	646941.01	4199480.37	0.64574
647041.01	4199480.37	0.62485	647141.01	4199480.37	0.60210
647241.01	4199480.37	0.57848	647341.01	4199480.37	0.55433
644341.01	4199580.37	0.25438	644441.01	4199580.37	0.27107
644541.01	4199580.37	0.28971	644641.01	4199580.37	0.31091
644741.01	4199580.37	0.33549	644841.01	4199580.37	0.36437
644941.01	4199580.37	0.39819	645041.01	4199580.37	0.43692
645141.01	4199580.37	0.47932	645241.01	4199580.37	0.52274
645341.01	4199580.37	0.56335	645441.01	4199580.37	0.59754
645541.01	4199580.37	0.62456	645641.01	4199580.37	0.64781
645741.01	4199580.37	0.67243	645841.01	4199580.37	0.70065
645941.01	4199580.37	0.73004	646041.01	4199580.37	0.75635
646141.01	4199580.37	0.77673	646241.01	4199580.37	0.79051
646341.01	4199580.37	0.79798	646441.01	4199580.37	0.79919

646541.01	4199580.37	0.79388	646641.01	4199580.37	0.78201
646741.01	4199580.37	0.76416	646841.01	4199580.37	0.74201
646941.01	4199580.37	0.71543	647041.01	4199580.37	0.68777
647141.01	4199580.37	0.65843	647241.01	4199580.37	0.62841
647341.01	4199580.37	0.59810	644341.01	4199680.37	0.27053
644441.01	4199680.37	0.28924	644541.01	4199680.37	0.31001
644641.01	4199680.37	0.33344	644741.01	4199680.37	0.36041
644841.01	4199680.37	0.39212	644941.01	4199680.37	0.42984
645041.01	4199680.37	0.47428	645141.01	4199680.37	0.52480
645241.01	4199680.37	0.57868	645341.01	4199680.37	0.63109
645441.01	4199680.37	0.67656	645541.01	4199680.37	0.71284
645641.01	4199680.37	0.74386	645741.01	4199680.37	0.77663
645841.01	4199680.37	0.81379	645941.01	4199680.37	0.85107
646041.01	4199680.37	0.88220	646141.01	4199680.37	0.90398
646241.01	4199680.37	0.91674	646341.01	4199680.37	0.92170
646441.01	4199680.37	0.91897	646541.01	4199680.37	0.90789
646641.01	4199680.37	0.88842	646741.01	4199680.37	0.86166
646841.01	4199680.37	0.83017	646941.01	4199680.37	0.79417
647041.01	4199680.37	0.75760	647141.01	4199680.37	0.71969
647241.01	4199680.37	0.68158	647341.01	4199680.37	0.64372
644341.01	4199780.37	0.28788	644441.01	4199780.37	0.30909

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.33263	644641.01	4199780.37	0.35902
644741.01	4199780.37	0.38913	644841.01	4199780.37	0.42431
644941.01	4199780.37	0.46636	645041.01	4199780.37	0.51705
645141.01	4199780.37	0.57691	645241.01	4199780.37	0.64381
645341.01	4199780.37	0.71199	645441.01	4199780.37	0.77338
645541.01	4199780.37	0.82306	645641.01	4199780.37	0.86524
645741.01	4199780.37	0.90972	645841.01	4199780.37	0.95960
645941.01	4199780.37	1.00747	646041.01	4199780.37	1.04414
646141.01	4199780.37	1.06640	646241.01	4199780.37	1.07649
646341.01	4199780.37	1.07682	646441.01	4199780.37	1.06721
646541.01	4199780.37	1.04654	646641.01	4199780.37	1.01519
646741.01	4199780.37	0.97543	646841.01	4199780.37	0.93022
646941.01	4199780.37	0.88253	647041.01	4199780.37	0.83422
647141.01	4199780.37	0.78539	647241.01	4199780.37	0.73724
647341.01	4199780.37	0.69037	644341.01	4199880.37	0.30625
644441.01	4199880.37	0.33046	644541.01	4199880.37	0.35746
644641.01	4199880.37	0.38775	644741.01	4199880.37	0.42213
644841.01	4199880.37	0.46191	644941.01	4199880.37	0.50922
645041.01	4199880.37	0.56691	645141.01	4199880.37	0.63739

645241.01	4199880.37	0.72026	645341.01	4199880.37	0.80962
645441.01	4199880.37	0.89406	645541.01	4199880.37	0.96382
645641.01	4199880.37	1.02259	645741.01	4199880.37	1.08439
645841.01	4199880.37	1.15274	645941.01	4199880.37	1.21490
646041.01	4199880.37	1.25749	646141.01	4199880.37	1.27820
646241.01	4199880.37	1.28237	646341.01	4199880.37	1.27382
646441.01	4199880.37	1.25191	646541.01	4199880.37	1.21531
646641.01	4199880.37	1.16617	646741.01	4199880.37	1.10755
646841.01	4199880.37	1.04430	646941.01	4199880.37	0.98078
647041.01	4199880.37	0.91694	647141.01	4199880.37	0.85447
647241.01	4199880.37	0.79421	647341.01	4199880.37	0.73692
644341.01	4199980.37	0.32536	644441.01	4199980.37	0.35305
644541.01	4199980.37	0.38423	644641.01	4199980.37	0.41946
644741.01	4199980.37	0.45955	644841.01	4199980.37	0.50572
644941.01	4199980.37	0.56013	645041.01	4199980.37	0.62631
645141.01	4199980.37	0.70893	645241.01	4199980.37	0.81107
645341.01	4199980.37	0.92884	645441.01	4199980.37	1.04744
645541.01	4199980.37	1.14868	645641.01	4199980.37	1.23343
645741.01	4199980.37	1.32237	645841.01	4199980.37	1.41762
645941.01	4199980.37	1.49881	646041.01	4199980.37	1.54650
646141.01	4199980.37	1.56099	646241.01	4199980.37	1.55231

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.52644	646441.01	4199980.37	1.48264
646541.01	4199980.37	1.42020	646641.01	4199980.37	1.34320
646741.01	4199980.37	1.25896	646841.01	4199980.37	1.17304
646941.01	4199980.37	1.08757	647041.01	4199980.37	1.00467
647141.01	4199980.37	0.92547	647241.01	4199980.37	0.85098
647341.01	4199980.37	0.78189	644341.01	4200080.37	0.34476
644441.01	4200080.37	0.37640	644541.01	4200080.37	0.41243
644641.01	4200080.37	0.45366	644741.01	4200080.37	0.50106
644841.01	4200080.37	0.55598	644941.01	4200080.37	0.62050
645041.01	4200080.37	0.69831	645141.01	4200080.37	0.79580
645241.01	4200080.37	0.92101	645341.01	4200080.37	1.07647
645441.01	4200080.37	1.24679	645541.01	4200080.37	1.40020
645641.01	4200080.37	1.52806	645741.01	4200080.37	1.66080
645841.01	4200080.37	1.79920	645941.01	4200080.37	1.90560
646041.01	4200080.37	1.95430	646141.01	4200080.37	1.94812
646241.01	4200080.37	1.91126	646341.01	4200080.37	1.85174
646441.01	4200080.37	1.76987	646541.01	4200080.37	1.66875
646641.01	4200080.37	1.55256	646741.01	4200080.37	1.43268
646841.01	4200080.37	1.31493	646941.01	4200080.37	1.20189

647041.01	4200080.37	1.09511	647141.01	4200080.37	0.99603
647241.01	4200080.37	0.90538	647341.01	4200080.37	0.82366
644341.01	4200180.37	0.36389	644441.01	4200180.37	0.39979
644541.01	4200180.37	0.44126	644641.01	4200180.37	0.48944
644741.01	4200180.37	0.54574	644841.01	4200180.37	0.61200
644941.01	4200180.37	0.69068	645041.01	4200180.37	0.78565
645141.01	4200180.37	0.90396	645241.01	4200180.37	1.05821
645341.01	4200180.37	1.26299	645441.01	4200180.37	1.51273
645541.01	4200180.37	1.75833	645641.01	4200180.37	1.96536
645741.01	4200180.37	2.17535	645841.01	4200180.37	2.37861
645941.01	4200180.37	2.50983	646041.01	4200180.37	2.54047
646141.01	4200180.37	2.48896	646241.01	4200180.37	2.39146
646341.01	4200180.37	2.26876	646441.01	4200180.37	2.12884
646541.01	4200180.37	1.96614	646641.01	4200180.37	1.79573
646741.01	4200180.37	1.62841	646841.01	4200180.37	1.46918
646941.01	4200180.37	1.32050	647041.01	4200180.37	1.18447
647141.01	4200180.37	1.06249	647241.01	4200180.37	0.95460
647341.01	4200180.37	0.86022	644341.01	4200280.37	0.38241
644441.01	4200280.37	0.42262	644541.01	4200280.37	0.46978
644641.01	4200280.37	0.52552	644741.01	4200280.37	0.59198
644841.01	4200280.37	0.67194	644941.01	4200280.37	0.76916

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.88883	645141.01	4200280.37	1.03916
645241.01	4200280.37	1.23556	645341.01	4200280.37	1.50690
645441.01	4200280.37	1.87935	645541.01	4200280.37	2.30040
645641.01	4200280.37	2.67249	645741.01	4200280.37	3.03801
645841.01	4200280.37	3.33379	645941.01	4200280.37	3.46125
646041.01	4200280.37	3.40993	646141.01	4200280.37	3.24074
646241.01	4200280.37	3.02296	646341.01	4200280.37	2.80678
646441.01	4200280.37	2.57391	646541.01	4200280.37	2.32634
646641.01	4200280.37	2.07988	646741.01	4200280.37	1.84645
646841.01	4200280.37	1.63093	646941.01	4200280.37	1.43695
647041.01	4200280.37	1.26694	647141.01	4200280.37	1.12065
647241.01	4200280.37	0.99604	647341.01	4200280.37	0.89019
644341.01	4200380.37	0.40091	644441.01	4200380.37	0.44517
644541.01	4200380.37	0.49787	644641.01	4200380.37	0.56119
644741.01	4200380.37	0.63824	644841.01	4200380.37	0.73333
644941.01	4200380.37	0.85248	645041.01	4200380.37	1.00444
645141.01	4200380.37	1.20219	645241.01	4200380.37	1.46741
645341.01	4200380.37	1.84259	645441.01	4200380.37	2.41471
645541.01	4200380.37	3.19689	645641.01	4200380.37	3.98618

645741.01	4200380.37	4.70363	645841.01	4200380.37	5.07747
645941.01	4200380.37	5.01855	646041.01	4200380.37	4.68660
646141.01	4200380.37	4.26598	646241.01	4200380.37	3.86373
646341.01	4200380.37	3.50788	646441.01	4200380.37	3.14533
646541.01	4200380.37	2.77184	646641.01	4200380.37	2.41060
646741.01	4200380.37	2.07938	646841.01	4200380.37	1.78811
646941.01	4200380.37	1.54091	647041.01	4200380.37	1.33584
647141.01	4200380.37	1.16708	647241.01	4200380.37	1.02805
647341.01	4200380.37	0.91281	644341.01	4200480.37	0.42105
644441.01	4200480.37	0.46928	644541.01	4200480.37	0.52750
644641.01	4200480.37	0.59823	644741.01	4200480.37	0.68576
644841.01	4200480.37	0.79611	644941.01	4200480.37	0.93845
645041.01	4200480.37	1.12725	645141.01	4200480.37	1.38604
645241.01	4200480.37	1.75607	645341.01	4200480.37	2.31685
645441.01	4200480.37	3.23819	645541.01	4200480.37	4.93076
645641.01	4200480.37	7.21068	645741.01	4200480.37	8.89447
645841.01	4200480.37	8.65369	645941.01	4200480.37	7.61308
646041.01	4200480.37	6.54287	646141.01	4200480.37	5.68480
646241.01	4200480.37	5.03189	646341.01	4200480.37	4.49316
646441.01	4200480.37	3.92660	646541.01	4200480.37	3.33102
646641.01	4200480.37	2.77572	646741.01	4200480.37	2.30211

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.92090	646941.01	4200480.37	1.62116
647041.01	4200480.37	1.38594	647141.01	4200480.37	1.19937
647241.01	4200480.37	1.04945	647341.01	4200480.37	0.92725
644341.01	4200580.37	0.44362	644441.01	4200580.37	0.49616
644541.01	4200580.37	0.55973	644641.01	4200580.37	0.63796
644741.01	4200580.37	0.73607	644841.01	4200580.37	0.86193
644941.01	4200580.37	1.02799	645041.01	4200580.37	1.25504
645141.01	4200580.37	1.58036	645241.01	4200580.37	2.07542
645341.01	4200580.37	2.91304	645441.01	4200580.37	4.55873
645541.01	4200580.37	9.24996	645641.01	4200580.37	24.43051
645741.01	4200580.37	23.24709	645841.01	4200580.37	15.92558
645941.01	4200580.37	11.59775	646041.01	4200580.37	9.05086
646141.01	4200580.37	7.70445	646241.01	4200580.37	6.89191
646341.01	4200580.37	6.12603	646441.01	4200580.37	5.07247
646541.01	4200580.37	3.98750	646641.01	4200580.37	3.11188
646741.01	4200580.37	2.47111	646841.01	4200580.37	2.00893
646941.01	4200580.37	1.66931	647041.01	4200580.37	1.41318
647141.01	4200580.37	1.21506	647241.01	4200580.37	1.05840
647341.01	4200580.37	0.93212	644341.01	4200680.37	0.46680

644441.01	4200680.37	0.52360	644541.01	4200680.37	0.59284
644641.01	4200680.37	0.67867	644741.01	4200680.37	0.78742
644841.01	4200680.37	0.92844	644941.01	4200680.37	1.11733
645041.01	4200680.37	1.38100	645141.01	4200680.37	1.77018
645241.01	4200680.37	2.39255	645341.01	4200680.37	3.50402
645441.01	4200680.37	6.11944	645541.01	4200680.37	17.11006
645641.01	4200680.37	67.91141	645741.01	4200680.37	78.58270
645841.01	4200680.37	31.45465	645941.01	4200680.37	16.94278
646041.01	4200680.37	12.39516	646141.01	4200680.37	11.40204
646241.01	4200680.37	11.19322	646341.01	4200680.37	9.66545
646441.01	4200680.37	6.61562	646541.01	4200680.37	4.53092
646641.01	4200680.37	3.30834	646741.01	4200680.37	2.54658
646841.01	4200680.37	2.03801	646941.01	4200680.37	1.67873
647041.01	4200680.37	1.41369	647141.01	4200680.37	1.21144
647241.01	4200680.37	1.05290	647341.01	4200680.37	0.92587
644341.01	4200780.37	0.48671	644441.01	4200780.37	0.54717
644541.01	4200780.37	0.62105	644641.01	4200780.37	0.71282
644741.01	4200780.37	0.82934	644841.01	4200780.37	0.98108
644941.01	4200780.37	1.18515	645041.01	4200780.37	1.47136
645141.01	4200780.37	1.89408	645241.01	4200780.37	2.56747
645341.01	4200780.37	3.74859	645441.01	4200780.37	6.21066

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	12.29681	645641.01	4200780.37	30.94055
645741.01	4200780.37	63.19826	646041.01	4200780.37	18.86364
646141.01	4200780.37	25.23023	646241.01	4200780.37	38.04275
646341.01	4200780.37	16.42669	646441.01	4200780.37	7.40474
646541.01	4200780.37	4.61914	646641.01	4200780.37	3.28164
646741.01	4200780.37	2.50274	646841.01	4200780.37	1.99551
646941.01	4200780.37	1.64156	647041.01	4200780.37	1.38204
647141.01	4200780.37	1.18462	647241.01	4200780.37	1.03011
647341.01	4200780.37	0.90638	644341.01	4200880.37	0.49996
644441.01	4200880.37	0.56235	644541.01	4200880.37	0.63843
644641.01	4200880.37	0.73304	644741.01	4200880.37	0.85267
644841.01	4200880.37	1.00779	644941.01	4200880.37	1.21480
645041.01	4200880.37	1.50107	645141.01	4200880.37	1.91559
645241.01	4200880.37	2.54906	645341.01	4200880.37	3.58371
645441.01	4200880.37	5.34839	645541.01	4200880.37	8.24343
645641.01	4200880.37	13.26642	645741.01	4200880.37	29.08348
645841.01	4200880.37	55.81047	645941.01	4200880.37	34.54732
646041.01	4200880.37	64.71563	646141.01	4200880.37	52.91532
646241.01	4200880.37	29.33809	646341.01	4200880.37	10.84982

646441.01	4200880.37	6.08694	646541.01	4200880.37	4.06256
646641.01	4200880.37	2.97539	646741.01	4200880.37	2.30998
646841.01	4200880.37	1.86423	646941.01	4200880.37	1.54673
647041.01	4200880.37	1.31074	647141.01	4200880.37	1.12937
647241.01	4200880.37	0.98623	647341.01	4200880.37	0.87085
644341.01	4200980.37	0.50510	644441.01	4200980.37	0.56753
644541.01	4200980.37	0.64331	644641.01	4200980.37	0.73686
644741.01	4200980.37	0.85460	644841.01	4200980.37	1.00536
644941.01	4200980.37	1.20340	645041.01	4200980.37	1.47113
645141.01	4200980.37	1.84514	645241.01	4200980.37	2.38510
645341.01	4200980.37	3.17101	645441.01	4200980.37	4.28280
645541.01	4200980.37	5.78905	645641.01	4200980.37	7.93075
645741.01	4200980.37	11.72971	645841.01	4200980.37	20.02686
645941.01	4200980.37	27.19971	646041.01	4200980.37	18.29539
646141.01	4200980.37	12.43518	646241.01	4200980.37	8.25319
646341.01	4200980.37	5.61903	646441.01	4200980.37	4.06053
646541.01	4200980.37	3.08223	646641.01	4200980.37	2.42936
646741.01	4200980.37	1.97260	646841.01	4200980.37	1.63997
646941.01	4200980.37	1.38967	647041.01	4200980.37	1.19583
647141.01	4200980.37	1.04249	647241.01	4200980.37	0.91879
647341.01	4200980.37	0.81735	644341.01	4201080.37	0.50292

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.56362	644541.01	4201080.37	0.63695
644641.01	4201080.37	0.72657	644741.01	4201080.37	0.83793
644841.01	4201080.37	0.97841	644941.01	4201080.37	1.15932
645041.01	4201080.37	1.39725	645141.01	4201080.37	1.71445
645241.01	4201080.37	2.13662	645341.01	4201080.37	2.68358
645441.01	4201080.37	3.35615	645541.01	4201080.37	4.15284
645641.01	4201080.37	5.12142	645741.01	4201080.37	6.25296
645841.01	4201080.37	7.44319	645941.01	4201080.37	7.49319
646041.01	4201080.37	6.43356	646141.01	4201080.37	5.31047
646241.01	4201080.37	4.22960	646341.01	4201080.37	3.36616
646441.01	4201080.37	2.70963	646541.01	4201080.37	2.22880
646641.01	4201080.37	1.86775	646741.01	4201080.37	1.58948
646841.01	4201080.37	1.36993	646941.01	4201080.37	1.19312
647041.01	4201080.37	1.04912	647141.01	4201080.37	0.93030
647241.01	4201080.37	0.83121	647341.01	4201080.37	0.74774
644341.01	4201180.37	0.49510	644441.01	4201180.37	0.55290
644541.01	4201180.37	0.62216	644641.01	4201180.37	0.70593
644741.01	4201180.37	0.80844	644841.01	4201180.37	0.93573
644941.01	4201180.37	1.09574	645041.01	4201180.37	1.29801

645141.01	4201180.37	1.55231	645241.01	4201180.37	1.86292
645341.01	4201180.37	2.22557	645441.01	4201180.37	2.62514
645541.01	4201180.37	3.04941	645641.01	4201180.37	3.49333
645741.01	4201180.37	3.89904	645841.01	4201180.37	4.08054
645941.01	4201180.37	3.95424	646041.01	4201180.37	3.56761
646141.01	4201180.37	3.07255	646241.01	4201180.37	2.62418
646341.01	4201180.37	2.23620	646441.01	4201180.37	1.90843
646541.01	4201180.37	1.64384	646641.01	4201180.37	1.43163
646741.01	4201180.37	1.25924	646841.01	4201180.37	1.11690
646941.01	4201180.37	0.99732	647041.01	4201180.37	0.89577
647141.01	4201180.37	0.80878	647241.01	4201180.37	0.73380
647341.01	4201180.37	0.66876	644341.01	4201280.37	0.48340
644441.01	4201280.37	0.53763	644541.01	4201280.37	0.60200
644641.01	4201280.37	0.67903	644741.01	4201280.37	0.77190
644841.01	4201280.37	0.88482	644941.01	4201280.37	1.02213
645041.01	4201280.37	1.18734	645141.01	4201280.37	1.38133
645241.01	4201280.37	1.60083	645341.01	4201280.37	1.83528
645441.01	4201280.37	2.07179	645541.01	4201280.37	2.29911
645641.01	4201280.37	2.50077	645741.01	4201280.37	2.63488
645841.01	4201280.37	2.64856	645941.01	4201280.37	2.52620
646041.01	4201280.37	2.30378	646141.01	4201280.37	2.06894

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.83598	646341.01	4201280.37	1.62022
646441.01	4201280.37	1.42712	646541.01	4201280.37	1.26301
646641.01	4201280.37	1.12544	646741.01	4201280.37	1.01028
646841.01	4201280.37	0.91296	646941.01	4201280.37	0.82968
647041.01	4201280.37	0.75746	647141.01	4201280.37	0.69430
647241.01	4201280.37	0.63861	647341.01	4201280.37	0.58923
644341.01	4201380.37	0.46920	644441.01	4201380.37	0.51965
644541.01	4201380.37	0.57884	644641.01	4201380.37	0.64881
644741.01	4201380.37	0.73155	644841.01	4201380.37	0.82921
644941.01	4201380.37	0.94311	645041.01	4201380.37	1.07296
645141.01	4201380.37	1.21613	645241.01	4201380.37	1.36709
645341.01	4201380.37	1.51730	645441.01	4201380.37	1.65619
645541.01	4201380.37	1.77405	645641.01	4201380.37	1.85811
645741.01	4201380.37	1.89120	645841.01	4201380.37	1.86189
645941.01	4201380.37	1.77366	646041.01	4201380.37	1.64904
646141.01	4201380.37	1.50852	646241.01	4201380.37	1.37784
646341.01	4201380.37	1.24534	646441.01	4201380.37	1.12028
646541.01	4201380.37	1.00920	646641.01	4201380.37	0.91294
646741.01	4201380.37	0.83023	646841.01	4201380.37	0.75910

646941.01	4201380.37	0.69756	647041.01	4201380.37	0.64383
647141.01	4201380.37	0.59647	647241.01	4201380.37	0.55431
647341.01	4201380.37	0.51651	644341.01	4201480.37	0.45347
644441.01	4201480.37	0.50003	644541.01	4201480.37	0.55392
644641.01	4201480.37	0.61642	644741.01	4201480.37	0.68858
644841.01	4201480.37	0.77065	644941.01	4201480.37	0.86220
645041.01	4201480.37	0.96140	645141.01	4201480.37	1.06486
645241.01	4201480.37	1.16752	645341.01	4201480.37	1.26169
645441.01	4201480.37	1.33998	645541.01	4201480.37	1.39593
645641.01	4201480.37	1.42449	645741.01	4201480.37	1.42194
645841.01	4201480.37	1.38805	645941.01	4201480.37	1.32694
646041.01	4201480.37	1.24918	646141.01	4201480.37	1.16319
646241.01	4201480.37	1.08086	646341.01	4201480.37	0.99463
646441.01	4201480.37	0.91002	646541.01	4201480.37	0.83156
646641.01	4201480.37	0.76130	646741.01	4201480.37	0.69919
646841.01	4201480.37	0.64454	646941.01	4201480.37	0.59662
647041.01	4201480.37	0.55448	647141.01	4201480.37	0.51717
647241.01	4201480.37	0.48391	647341.01	4201480.37	0.45402
644341.01	4201580.37	0.43678	644441.01	4201580.37	0.47931
644541.01	4201580.37	0.52771	644641.01	4201580.37	0.58254
644741.01	4201580.37	0.64388	644841.01	4201580.37	0.71109

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.78297	645041.01	4201580.37	0.85734
645141.01	4201580.37	0.93097	645241.01	4201580.37	0.99883
645341.01	4201580.37	1.05552	645441.01	4201580.37	1.09639
645541.01	4201580.37	1.11892	645641.01	4201580.37	1.12275
645741.01	4201580.37	1.10905	645841.01	4201580.37	1.08006
645941.01	4201580.37	1.03778	646041.01	4201580.37	0.98666
646141.01	4201580.37	0.93063	646241.01	4201580.37	0.87407
646341.01	4201580.37	0.81666	646441.01	4201580.37	0.75729
646541.01	4201580.37	0.70033	646641.01	4201580.37	0.64788
646741.01	4201580.37	0.60013	646841.01	4201580.37	0.55714
646941.01	4201580.37	0.51874	647041.01	4201580.37	0.48455
647141.01	4201580.37	0.45404	647241.01	4201580.37	0.42670
647341.01	4201580.37	0.40211	644341.01	4201680.37	0.41942
644441.01	4201680.37	0.45778	644541.01	4201680.37	0.50051
644641.01	4201680.37	0.54768	644741.01	4201680.37	0.59866
644841.01	4201680.37	0.65259	644941.01	4201680.37	0.70810
645041.01	4201680.37	0.76277	645141.01	4201680.37	0.81360
645241.01	4201680.37	0.85680	645341.01	4201680.37	0.88869
645441.01	4201680.37	0.90717	645541.01	4201680.37	0.91258

645641.01	4201680.37	0.90705	645741.01	4201680.37	0.89153
645841.01	4201680.37	0.86856	645941.01	4201680.37	0.83846
646041.01	4201680.37	0.80402	646141.01	4201680.37	0.76538
646241.01	4201680.37	0.72571	646341.01	4201680.37	0.68385
646441.01	4201680.37	0.64174	646541.01	4201680.37	0.59945
646641.01	4201680.37	0.55951	646741.01	4201680.37	0.52247
646841.01	4201680.37	0.48835	646941.01	4201680.37	0.45721
647041.01	4201680.37	0.42854	647141.01	4201680.37	0.40345
647241.01	4201680.37	0.38043	647341.01	4201680.37	0.35963
644341.01	4201780.37	0.40160	644441.01	4201780.37	0.43564
644541.01	4201780.37	0.47278	644641.01	4201780.37	0.51248
644741.01	4201780.37	0.55417	644841.01	4201780.37	0.59667
644941.01	4201780.37	0.63852	645041.01	4201780.37	0.67772
645141.01	4201780.37	0.71157	645241.01	4201780.37	0.73740
645341.01	4201780.37	0.75338	645441.01	4201780.37	0.75950
645541.01	4201780.37	0.75707	645641.01	4201780.37	0.74823
645741.01	4201780.37	0.73437	645841.01	4201780.37	0.71580
645941.01	4201780.37	0.69405	646041.01	4201780.37	0.66976
646141.01	4201780.37	0.64310	646241.01	4201780.37	0.61421
646341.01	4201780.37	0.58336	646441.01	4201780.37	0.55129
646541.01	4201780.37	0.51924	646641.01	4201780.37	0.48834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.45920	646841.01	4201780.37	0.43211
646941.01	4201780.37	0.40670	647041.01	4201780.37	0.38337
647141.01	4201780.37	0.36199	647241.01	4201780.37	0.34238
647341.01	4201780.37	0.32469	644341.01	4201880.37	0.38337
644441.01	4201880.37	0.41319	644541.01	4201880.37	0.44480
644641.01	4201880.37	0.47772	644741.01	4201880.37	0.51112
644841.01	4201880.37	0.54390	644941.01	4201880.37	0.57471
645041.01	4201880.37	0.60174	645141.01	4201880.37	0.62314
645241.01	4201880.37	0.63739	645341.01	4201880.37	0.64393
645441.01	4201880.37	0.64378	645541.01	4201880.37	0.63741
645641.01	4201880.37	0.62820	645741.01	4201880.37	0.61640
645841.01	4201880.37	0.60256	645941.01	4201880.37	0.58686
646041.01	4201880.37	0.56953	646141.01	4201880.37	0.55025
646241.01	4201880.37	0.52856	646341.01	4201880.37	0.50493
646441.01	4201880.37	0.48054	646541.01	4201880.37	0.45572
646641.01	4201880.37	0.43098	646741.01	4201880.37	0.40771
646841.01	4201880.37	0.38564	646941.01	4201880.37	0.36497
647041.01	4201880.37	0.34560	647141.01	4201880.37	0.32754
647241.01	4201880.37	0.31079	647341.01	4201880.37	0.29532

644341.01	4201980.37	0.36492	644441.01	4201980.37	0.39057
644541.01	4201980.37	0.41707	644641.01	4201980.37	0.44379
644741.01	4201980.37	0.46994	644841.01	4201980.37	0.49459
644941.01	4201980.37	0.51654	645041.01	4201980.37	0.53454
645141.01	4201980.37	0.54728	645241.01	4201980.37	0.55363
645341.01	4201980.37	0.55483	645441.01	4201980.37	0.55145
645541.01	4201980.37	0.54490	645641.01	4201980.37	0.53675
645741.01	4201980.37	0.52708	645841.01	4201980.37	0.51642
645941.01	4201980.37	0.50472	646041.01	4201980.37	0.49172
646141.01	4201980.37	0.47694	646241.01	4201980.37	0.46027
646341.01	4201980.37	0.44210	646441.01	4201980.37	0.42290
646541.01	4201980.37	0.40329	646641.01	4201980.37	0.38380
646741.01	4201980.37	0.36490	646841.01	4201980.37	0.34689
646941.01	4201980.37	0.32982	647041.01	4201980.37	0.31368
647141.01	4201980.37	0.29846	647241.01	4201980.37	0.28406
647341.01	4201980.37	0.27068	644341.01	4202080.37	0.34632
644441.01	4202080.37	0.36799	644541.01	4202080.37	0.38971
644641.01	4202080.37	0.41098	644741.01	4202080.37	0.43104
644841.01	4202080.37	0.44914	644941.01	4202080.37	0.46434
645041.01	4202080.37	0.47525	645141.01	4202080.37	0.48212
645241.01	4202080.37	0.48446	645341.01	4202080.37	0.48279

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.47851	645541.01	4202080.37	0.47191
645641.01	4202080.37	0.46442	645741.01	4202080.37	0.45652
645841.01	4202080.37	0.44827	645941.01	4202080.37	0.43942
646041.01	4202080.37	0.42958	646141.01	4202080.37	0.41819
646241.01	4202080.37	0.40521	646341.01	4202080.37	0.39081
646441.01	4202080.37	0.37549	646541.01	4202080.37	0.35973
646641.01	4202080.37	0.34398	646741.01	4202080.37	0.32855
646841.01	4202080.37	0.31366	646941.01	4202080.37	0.29943
647041.01	4202080.37	0.28589	647141.01	4202080.37	0.27303
647241.01	4202080.37	0.26084	647341.01	4202080.37	0.24930
644341.01	4202180.37	0.32762	644441.01	4202180.37	0.34557
644541.01	4202180.37	0.36313	644641.01	4202180.37	0.37974
644741.01	4202180.37	0.39447	644841.01	4202180.37	0.40732
644941.01	4202180.37	0.41735	645041.01	4202180.37	0.42407
645141.01	4202180.37	0.42720	645241.01	4202180.37	0.42720
645341.01	4202180.37	0.42400	645441.01	4202180.37	0.41898
645541.01	4202180.37	0.41273	645641.01	4202180.37	0.40638
645741.01	4202180.37	0.40010	645841.01	4202180.37	0.39365
645941.01	4202180.37	0.38683	646041.01	4202180.37	0.37922

646141.01	4202180.37	0.37036	646241.01	4202180.37	0.36005
646341.01	4202180.37	0.34855	646441.01	4202180.37	0.33614
646541.01	4202180.37	0.32328	646641.01	4202180.37	0.31028
646741.01	4202180.37	0.29751	646841.01	4202180.37	0.28507
646941.01	4202180.37	0.27313	647041.01	4202180.37	0.26170
647141.01	4202180.37	0.25078	647241.01	4202180.37	0.24035
647341.01	4202180.37	0.23041	644341.01	4202280.37	0.30908
644441.01	4202280.37	0.32351	644541.01	4202280.37	0.33734
644641.01	4202280.37	0.34996	644741.01	4202280.37	0.36102
644841.01	4202280.37	0.36994	644941.01	4202280.37	0.37624
645041.01	4202280.37	0.37965	645141.01	4202280.37	0.38038
645241.01	4202280.37	0.37859	645341.01	4202280.37	0.37482
645441.01	4202280.37	0.36984	645541.01	4202280.37	0.36443
645641.01	4202280.37	0.35917	645741.01	4202280.37	0.35399
645841.01	4202280.37	0.34891	645941.01	4202280.37	0.34362
646041.01	4202280.37	0.33776	646141.01	4202280.37	0.33083
646241.01	4202280.37	0.32260	646341.01	4202280.37	0.31317
646441.01	4202280.37	0.30295	646541.01	4202280.37	0.29238
646641.01	4202280.37	0.28164	646741.01	4202280.37	0.27092
646841.01	4202280.37	0.26045	646941.01	4202280.37	0.25032
647041.01	4202280.37	0.24055	647141.01	4202280.37	0.23118

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.22221	647341.01	4202280.37	0.21363
645946.01	4200731.54	18.83130	645933.67	4200896.54	42.02489
645889.89	4200889.80	43.12765	645847.24	4200866.23	45.18141
645697.97	4200718.07	60.21099	645704.70	4200712.46	60.03440

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37563	646506.52	4202111.83	0.34960
645939.20	4200707.16	19.48672	644341.01	4199280.37	0.21467
644441.01	4199280.37	0.22768	644541.01	4199280.37	0.24249
644641.01	4199280.37	0.25947	644741.01	4199280.37	0.27886
644841.01	4199280.37	0.30066	644941.01	4199280.37	0.32447
645041.01	4199280.37	0.34948	645141.01	4199280.37	0.37443
645241.01	4199280.37	0.39764	645341.01	4199280.37	0.41748
645441.01	4199280.37	0.43309	645541.01	4199280.37	0.44509
645641.01	4199280.37	0.45550	645741.01	4199280.37	0.46671
645841.01	4199280.37	0.48023	645941.01	4199280.37	0.49589
646041.01	4199280.37	0.51227	646141.01	4199280.37	0.52771
646241.01	4199280.37	0.54087	646341.01	4199280.37	0.55074
646441.01	4199280.37	0.55671	646541.01	4199280.37	0.55857
646641.01	4199280.37	0.55656	646741.01	4199280.37	0.55115
646841.01	4199280.37	0.54307	646941.01	4199280.37	0.53216
647041.01	4199280.37	0.51984	647141.01	4199280.37	0.50594
647241.01	4199280.37	0.49128	647341.01	4199280.37	0.47585
644341.01	4199380.37	0.22696	644441.01	4199380.37	0.24092
644541.01	4199380.37	0.25675	644641.01	4199380.37	0.27497

644741.01	4199380.37	0.29601	644841.01	4199380.37	0.32011
644941.01	4199380.37	0.34711	645041.01	4199380.37	0.37625
645141.01	4199380.37	0.40613	645241.01	4199380.37	0.43476
645341.01	4199380.37	0.45988	645441.01	4199380.37	0.48001
645541.01	4199380.37	0.49556	645641.01	4199380.37	0.50894
645741.01	4199380.37	0.52323	645841.01	4199380.37	0.54020
645941.01	4199380.37	0.55933	646041.01	4199380.37	0.57859
646141.01	4199380.37	0.59591	646241.01	4199380.37	0.60986
646341.01	4199380.37	0.61956	646441.01	4199380.37	0.62455
646541.01	4199380.37	0.62477	646641.01	4199380.37	0.62050
646741.01	4199380.37	0.61223	646841.01	4199380.37	0.60055
646941.01	4199380.37	0.58615	647041.01	4199380.37	0.57004
647141.01	4199380.37	0.55223	647241.01	4199380.37	0.53353
647341.01	4199380.37	0.51412	644341.01	4199480.37	0.24055
644441.01	4199480.37	0.25574	644541.01	4199480.37	0.27284
644641.01	4199480.37	0.29245	644741.01	4199480.37	0.31523
644841.01	4199480.37	0.34174	644941.01	4199480.37	0.37217
645041.01	4199480.37	0.40599	645141.01	4199480.37	0.44178
645241.01	4199480.37	0.47717	645341.01	4199480.37	0.50917
645441.01	4199480.37	0.53537	645541.01	4199480.37	0.55574
645641.01	4199480.37	0.57314	645741.01	4199480.37	0.59159

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.61322	645941.01	4199480.37	0.63687
646041.01	4199480.37	0.65962	646141.01	4199480.37	0.67891
646241.01	4199480.37	0.69337	646341.01	4199480.37	0.70242
646441.01	4199480.37	0.70586	646541.01	4199480.37	0.70366
646641.01	4199480.37	0.69608	646741.01	4199480.37	0.68367
646841.01	4199480.37	0.66756	646941.01	4199480.37	0.64772
647041.01	4199480.37	0.62658	647141.01	4199480.37	0.60361
647241.01	4199480.37	0.57974	647341.01	4199480.37	0.55530
644341.01	4199580.37	0.25549	644441.01	4199580.37	0.27227
644541.01	4199580.37	0.29101	644641.01	4199580.37	0.31233
644741.01	4199580.37	0.33706	644841.01	4199580.37	0.36613
644941.01	4199580.37	0.40020	645041.01	4199580.37	0.43925
645141.01	4199580.37	0.48203	645241.01	4199580.37	0.52588
645341.01	4199580.37	0.56691	645441.01	4199580.37	0.60138
645541.01	4199580.37	0.62840	645641.01	4199580.37	0.65134
645741.01	4199580.37	0.67552	645841.01	4199580.37	0.70353
645941.01	4199580.37	0.73316	646041.01	4199580.37	0.76012
646141.01	4199580.37	0.78133	646241.01	4199580.37	0.79577
646341.01	4199580.37	0.80347	646441.01	4199580.37	0.80443

646541.01	4199580.37	0.79851	646641.01	4199580.37	0.78591
646741.01	4199580.37	0.76739	646841.01	4199580.37	0.74469
646941.01	4199580.37	0.71771	647041.01	4199580.37	0.68974
647141.01	4199580.37	0.66006	647241.01	4199580.37	0.62965
647341.01	4199580.37	0.59893	644341.01	4199680.37	0.27175
644441.01	4199680.37	0.29056	644541.01	4199680.37	0.31145
644641.01	4199680.37	0.33500	644741.01	4199680.37	0.36212
644841.01	4199680.37	0.39403	644941.01	4199680.37	0.43200
645041.01	4199680.37	0.47678	645141.01	4199680.37	0.52774
645241.01	4199680.37	0.58216	645341.01	4199680.37	0.63514
645441.01	4199680.37	0.68107	645541.01	4199680.37	0.71748
645641.01	4199680.37	0.74818	645741.01	4199680.37	0.78044
645841.01	4199680.37	0.81736	645941.01	4199680.37	0.85497
646041.01	4199680.37	0.88695	646141.01	4199680.37	0.90973
646241.01	4199680.37	0.92325	646341.01	4199680.37	0.92842
646441.01	4199680.37	0.92528	646541.01	4199680.37	0.91339
646641.01	4199680.37	0.89301	646741.01	4199680.37	0.86543
646841.01	4199680.37	0.83330	646941.01	4199680.37	0.79680
647041.01	4199680.37	0.75974	647141.01	4199680.37	0.72131
647241.01	4199680.37	0.68264	647341.01	4199680.37	0.64424
644341.01	4199780.37	0.28920	644441.01	4199780.37	0.31054

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.33421	644641.01	4199780.37	0.36075
644741.01	4199780.37	0.39102	644841.01	4199780.37	0.42639
644941.01	4199780.37	0.46869	645041.01	4199780.37	0.51972
645141.01	4199780.37	0.58007	645241.01	4199780.37	0.64760
645341.01	4199780.37	0.71654	645441.01	4199780.37	0.77865
645541.01	4199780.37	0.82866	645641.01	4199780.37	0.87055
645741.01	4199780.37	0.91442	645841.01	4199780.37	0.96406
645941.01	4199780.37	1.01244	646041.01	4199780.37	1.05023
646141.01	4199780.37	1.07374	646241.01	4199780.37	1.08470
646341.01	4199780.37	1.08518	646441.01	4199780.37	1.07495
646541.01	4199780.37	1.05321	646641.01	4199780.37	1.02069
646741.01	4199780.37	0.97990	646841.01	4199780.37	0.93387
646941.01	4199780.37	0.88545	647041.01	4199780.37	0.83639
647141.01	4199780.37	0.78678	647241.01	4199780.37	0.73786
647341.01	4199780.37	0.69033	644341.01	4199880.37	0.30769
644441.01	4199880.37	0.33204	644541.01	4199880.37	0.35920
644641.01	4199880.37	0.38967	644741.01	4199880.37	0.42423
644841.01	4199880.37	0.46422	644941.01	4199880.37	0.51177
645041.01	4199880.37	0.56979	645141.01	4199880.37	0.64075

645241.01	4199880.37	0.72433	645341.01	4199880.37	0.81465
645441.01	4199880.37	0.90014	645541.01	4199880.37	0.97055
645641.01	4199880.37	1.02912	645741.01	4199880.37	1.09021
645841.01	4199880.37	1.15838	645941.01	4199880.37	1.22137
646041.01	4199880.37	1.26548	646141.01	4199880.37	1.28775
646241.01	4199880.37	1.29295	646341.01	4199880.37	1.28451
646441.01	4199880.37	1.26169	646541.01	4199880.37	1.22360
646641.01	4199880.37	1.17286	646741.01	4199880.37	1.11286
646841.01	4199880.37	1.04844	646941.01	4199880.37	0.98379
647041.01	4199880.37	0.91880	647141.01	4199880.37	0.85524
647241.01	4199880.37	0.79403	647341.01	4199880.37	0.73602
644341.01	4199980.37	0.32692	644441.01	4199980.37	0.35478
644541.01	4199980.37	0.38614	644641.01	4199980.37	0.42159
644741.01	4199980.37	0.46190	644841.01	4199980.37	0.50831
644941.01	4199980.37	0.56297	645041.01	4199980.37	0.62945
645141.01	4199980.37	0.71251	645241.01	4199980.37	0.81535
645341.01	4199980.37	0.93424	645441.01	4199980.37	1.05427
645541.01	4199980.37	1.15666	645641.01	4199980.37	1.24136
645741.01	4199980.37	1.32951	645841.01	4199980.37	1.42477
645941.01	4199980.37	1.50742	646041.01	4199980.37	1.55728
646141.01	4199980.37	1.57377	646241.01	4199980.37	1.56642

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.54061	646441.01	4199980.37	1.49540
646541.01	4199980.37	1.43069	646641.01	4199980.37	1.35137
646741.01	4199980.37	1.26513	646841.01	4199980.37	1.17740
646941.01	4199980.37	1.09018	647041.01	4199980.37	1.00563
647141.01	4199980.37	0.92506	647241.01	4199980.37	0.84954
647341.01	4199980.37	0.77979	644341.01	4200080.37	0.34644
644441.01	4200080.37	0.37827	644541.01	4200080.37	0.41453
644641.01	4200080.37	0.45600	644741.01	4200080.37	0.50368
644841.01	4200080.37	0.55889	644941.01	4200080.37	0.62370
645041.01	4200080.37	0.70181	645141.01	4200080.37	0.79964
645241.01	4200080.37	0.92541	645341.01	4200080.37	1.08196
645441.01	4200080.37	1.25409	645541.01	4200080.37	1.40933
645641.01	4200080.37	1.53738	645741.01	4200080.37	1.66923
645841.01	4200080.37	1.80826	645941.01	4200080.37	1.91736
646041.01	4200080.37	1.96942	646141.01	4200080.37	1.96604
646241.01	4200080.37	1.93104	646341.01	4200080.37	1.87139
646441.01	4200080.37	1.78698	646541.01	4200080.37	1.68214
646641.01	4200080.37	1.56235	646741.01	4200080.37	1.43935
646841.01	4200080.37	1.31874	646941.01	4200080.37	1.20311

647041.01	4200080.37	1.09425	647141.01	4200080.37	0.99371
647241.01	4200080.37	0.90220	647341.01	4200080.37	0.82005
644341.01	4200180.37	0.36569	644441.01	4200180.37	0.40182
644541.01	4200180.37	0.44355	644641.01	4200180.37	0.49202
644741.01	4200180.37	0.54865	644841.01	4200180.37	0.61525
644941.01	4200180.37	0.69430	645041.01	4200180.37	0.78961
645141.01	4200180.37	0.90816	645241.01	4200180.37	1.06265
645341.01	4200180.37	1.26810	645441.01	4200180.37	1.51967
645541.01	4200180.37	1.76786	645641.01	4200180.37	1.97525
645741.01	4200180.37	2.18418	645841.01	4200180.37	2.38965
645941.01	4200180.37	2.52633	646041.01	4200180.37	2.56291
646141.01	4200180.37	2.51595	646241.01	4200180.37	2.42096
646341.01	4200180.37	2.29716	646441.01	4200180.37	2.15216
646541.01	4200180.37	1.98290	646641.01	4200180.37	1.80667
646741.01	4200180.37	1.63435	646841.01	4200180.37	1.47079
646941.01	4200180.37	1.31879	647041.01	4200180.37	1.18061
647141.01	4200180.37	1.05752	647241.01	4200180.37	0.94926
647341.01	4200180.37	0.85497	644341.01	4200280.37	0.38430
644441.01	4200280.37	0.42477	644541.01	4200280.37	0.47223
644641.01	4200280.37	0.52832	644741.01	4200280.37	0.59517
644841.01	4200280.37	0.67556	644941.01	4200280.37	0.77322

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.89330	645141.01	4200280.37	1.04385
645241.01	4200280.37	1.24007	645341.01	4200280.37	1.51088
645441.01	4200280.37	1.88379	645541.01	4200280.37	2.30747
645641.01	4200280.37	2.67900	645741.01	4200280.37	3.04301
645841.01	4200280.37	3.34565	645941.01	4200280.37	3.48574
646041.01	4200280.37	3.44682	646141.01	4200280.37	3.28505
646241.01	4200280.37	3.06945	646341.01	4200280.37	2.84917
646441.01	4200280.37	2.60540	646541.01	4200280.37	2.34616
646641.01	4200280.37	2.09004	646741.01	4200280.37	1.84872
646841.01	4200280.37	1.62750	646941.01	4200280.37	1.43027
647041.01	4200280.37	1.25894	647141.01	4200280.37	1.11254
647241.01	4200280.37	0.98844	647341.01	4200280.37	0.88334
644341.01	4200380.37	0.40288	644441.01	4200380.37	0.44742
644541.01	4200380.37	0.50045	644641.01	4200380.37	0.56417
644741.01	4200380.37	0.64168	644841.01	4200380.37	0.73728
644941.01	4200380.37	0.85698	645041.01	4200380.37	1.00944
645141.01	4200380.37	1.20741	645241.01	4200380.37	1.47203
645341.01	4200380.37	1.84457	645441.01	4200380.37	2.41161
645541.01	4200380.37	3.19129	645641.01	4200380.37	3.97168

645741.01	4200380.37	4.68612	645841.01	4200380.37	5.08525
645941.01	4200380.37	5.06159	646041.01	4200380.37	4.75557
646141.01	4200380.37	4.34434	646241.01	4200380.37	3.94049
646341.01	4200380.37	3.57229	646441.01	4200380.37	3.18653
646541.01	4200380.37	2.79185	646641.01	4200380.37	2.41430
646741.01	4200380.37	2.07229	646841.01	4200380.37	1.77587
646941.01	4200380.37	1.52742	647041.01	4200380.37	1.32309
647141.01	4200380.37	1.15580	647241.01	4200380.37	1.01833
647341.01	4200380.37	0.90453	644341.01	4200480.37	0.42313
644441.01	4200480.37	0.47164	644541.01	4200480.37	0.53021
644641.01	4200480.37	0.60134	644741.01	4200480.37	0.68935
644841.01	4200480.37	0.80026	644941.01	4200480.37	0.94321
645041.01	4200480.37	1.13258	645141.01	4200480.37	1.39157
645241.01	4200480.37	1.76050	645341.01	4200480.37	2.31581
645441.01	4200480.37	3.21803	645541.01	4200480.37	4.86864
645641.01	4200480.37	7.06895	645741.01	4200480.37	8.75596
645841.01	4200480.37	8.65489	645941.01	4200480.37	7.71445
646041.01	4200480.37	6.68473	646141.01	4200480.37	5.83177
646241.01	4200480.37	5.16645	646341.01	4200480.37	4.59500
646441.01	4200480.37	3.97599	646541.01	4200480.37	3.33913
646641.01	4200480.37	2.75975	646741.01	4200480.37	2.27779

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.89683	646941.01	4200480.37	1.60029
647041.01	4200480.37	1.36867	647141.01	4200480.37	1.18524
647241.01	4200480.37	1.03787	647341.01	4200480.37	0.91770
644341.01	4200580.37	0.44592	644441.01	4200580.37	0.49878
644541.01	4200580.37	0.56272	644641.01	4200580.37	0.64138
644741.01	4200580.37	0.73999	644841.01	4200580.37	0.86641
644941.01	4200580.37	1.03305	645041.01	4200580.37	1.26055
645141.01	4200580.37	1.58573	645241.01	4200580.37	2.07848
645341.01	4200580.37	2.90579	645441.01	4200580.37	4.50521
645541.01	4200580.37	8.88680	645641.01	4200580.37	22.49042
645741.01	4200580.37	22.44862	645841.01	4200580.37	15.98864
645941.01	4200580.37	11.86522	646041.01	4200580.37	9.34657
646141.01	4200580.37	8.00188	646241.01	4200580.37	7.17312
646341.01	4200580.37	6.30285	646441.01	4200580.37	5.10151
646541.01	4200580.37	3.94496	646641.01	4200580.37	3.05737
646741.01	4200580.37	2.42478	646841.01	4200580.37	1.97303
646941.01	4200580.37	1.64189	647041.01	4200580.37	1.39204
647141.01	4200580.37	1.19851	647241.01	4200580.37	1.04521
647341.01	4200580.37	0.92145	644341.01	4200680.37	0.46942

644441.01	4200680.37	0.52660	644541.01	4200680.37	0.59631
644641.01	4200680.37	0.68270	644741.01	4200680.37	0.79211
644841.01	4200680.37	0.93392	644941.01	4200680.37	1.12368
645041.01	4200680.37	1.38820	645141.01	4200680.37	1.77771
645241.01	4200680.37	2.39817	645341.01	4200680.37	3.49828
645441.01	4200680.37	6.04646	645541.01	4200680.37	16.24134
645641.01	4200680.37	77.04420	645741.01	4200680.37	75.61761
645841.01	4200680.37	31.65135	645941.01	4200680.37	17.69366
646041.01	4200680.37	13.00987	646141.01	4200680.37	12.19756
646241.01	4200680.37	12.23041	646341.01	4200680.37	9.88015
646441.01	4200680.37	6.45139	646541.01	4200680.37	4.38387
646641.01	4200680.37	3.20977	646741.01	4200680.37	2.48083
646841.01	4200680.37	1.99255	646941.01	4200680.37	1.64609
647041.01	4200680.37	1.38945	647141.01	4200680.37	1.19292
647241.01	4200680.37	1.03841	647341.01	4200680.37	0.91430
644341.01	4200780.37	0.48959	644441.01	4200780.37	0.55052
644541.01	4200780.37	0.62496	644641.01	4200780.37	0.71745
644741.01	4200780.37	0.83486	644841.01	4200780.37	0.98773
644941.01	4200780.37	1.19322	645041.01	4200780.37	1.48119
645141.01	4200780.37	1.90599	645241.01	4200780.37	2.58127
645341.01	4200780.37	3.76161	645441.01	4200780.37	6.21040

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	12.28091	645641.01	4200780.37	30.03303
645741.01	4200780.37	73.14022	646041.01	4200780.37	20.17034
646141.01	4200780.37	30.42509	646241.01	4200780.37	52.04447
646341.01	4200780.37	14.78930	646441.01	4200780.37	6.87795
646541.01	4200780.37	4.38011	646641.01	4200780.37	3.15154
646741.01	4200780.37	2.42336	646841.01	4200780.37	1.94317
646941.01	4200780.37	1.60503	647041.01	4200780.37	1.35542
647141.01	4200780.37	1.16455	647241.01	4200780.37	1.01455
647341.01	4200780.37	0.89405	644341.01	4200880.37	0.50290
644441.01	4200880.37	0.56577	644541.01	4200880.37	0.64245
644641.01	4200880.37	0.73782	644741.01	4200880.37	0.85842
644841.01	4200880.37	1.01480	644941.01	4200880.37	1.22347
645041.01	4200880.37	1.51199	645141.01	4200880.37	1.92963
645241.01	4200880.37	2.56753	645341.01	4200880.37	3.60983
645441.01	4200880.37	5.39637	645541.01	4200880.37	8.34682
645641.01	4200880.37	13.36571	645741.01	4200880.37	27.87663
645841.01	4200880.37	63.71711	645941.01	4200880.37	37.58244
646041.01	4200880.37	74.11875	646141.01	4200880.37	39.02440
646241.01	4200880.37	17.08577	646341.01	4200880.37	8.83375

646441.01	4200880.37	5.46709	646541.01	4200880.37	3.79156
646641.01	4200880.37	2.83143	646741.01	4200880.37	2.22351
646841.01	4200880.37	1.80785	646941.01	4200880.37	1.50771
647041.01	4200880.37	1.28250	647141.01	4200880.37	1.10819
647241.01	4200880.37	0.96990	647341.01	4200880.37	0.85796
644341.01	4200980.37	0.50788	644441.01	4200980.37	0.57077
644541.01	4200980.37	0.64711	644641.01	4200980.37	0.74136
644741.01	4200980.37	0.86002	644841.01	4200980.37	1.01198
644941.01	4200980.37	1.21162	645041.01	4200980.37	1.48153
645141.01	4200980.37	1.85871	645241.01	4200980.37	2.40400
645341.01	4200980.37	3.20077	645441.01	4200980.37	4.33441
645541.01	4200980.37	5.86852	645641.01	4200980.37	8.00984
645741.01	4200980.37	11.67935	645841.01	4200980.37	19.44167
645941.01	4200980.37	25.69202	646041.01	4200980.37	17.26145
646141.01	4200980.37	10.91645	646241.01	4200980.37	7.23719
646341.01	4200980.37	5.07173	646441.01	4200980.37	3.74225
646541.01	4200980.37	2.89213	646641.01	4200980.37	2.31111
646741.01	4200980.37	1.89532	646841.01	4200980.37	1.58706
646941.01	4200980.37	1.35196	647041.01	4200980.37	1.16804
647141.01	4200980.37	1.02141	647241.01	4200980.37	0.90241
647341.01	4200980.37	0.80436	644341.01	4201080.37	0.50546

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.56657	644541.01	4201080.37	0.64041
644641.01	4201080.37	0.73068	644741.01	4201080.37	0.84287
644841.01	4201080.37	0.98443	644941.01	4201080.37	1.16676
645041.01	4201080.37	1.40669	645141.01	4201080.37	1.72703
645241.01	4201080.37	2.15465	645341.01	4201080.37	2.71085
645441.01	4201080.37	3.39599	645541.01	4201080.37	4.20128
645641.01	4201080.37	5.16158	645741.01	4201080.37	6.25882
645841.01	4201080.37	7.37195	645941.01	4201080.37	7.30955
646041.01	4201080.37	6.10787	646141.01	4201080.37	4.94832
646241.01	4201080.37	3.94305	646341.01	4201080.37	3.16558
646441.01	4201080.37	2.57249	646541.01	4201080.37	2.13027
646641.01	4201080.37	1.79507	646741.01	4201080.37	1.53526
646841.01	4201080.37	1.32905	646941.01	4201080.37	1.16191
647041.01	4201080.37	1.02495	647141.01	4201080.37	0.91129
647241.01	4201080.37	0.81605	647341.01	4201080.37	0.73547
644341.01	4201180.37	0.49745	644441.01	4201180.37	0.55563
644541.01	4201180.37	0.62536	644641.01	4201180.37	0.70971
644741.01	4201180.37	0.81296	644841.01	4201180.37	0.94119
644941.01	4201180.37	1.10247	645041.01	4201180.37	1.30664

645141.01	4201180.37	1.56391	645241.01	4201180.37	1.87899
645341.01	4201180.37	2.24741	645441.01	4201180.37	2.65198
645541.01	4201180.37	3.07577	645641.01	4201180.37	3.50917
645741.01	4201180.37	3.89098	645841.01	4201180.37	4.03176
645941.01	4201180.37	3.85120	646041.01	4201180.37	3.42730
646141.01	4201180.37	2.93866	646241.01	4201180.37	2.50635
646341.01	4201180.37	2.14018	646441.01	4201180.37	1.83527
646541.01	4201180.37	1.58817	646641.01	4201180.37	1.38813
646741.01	4201180.37	1.22446	646841.01	4201180.37	1.08873
646941.01	4201180.37	0.97435	647041.01	4201180.37	0.87694
647141.01	4201180.37	0.79327	647241.01	4201180.37	0.72094
647341.01	4201180.37	0.65803	644341.01	4201280.37	0.48560
644441.01	4201280.37	0.54018	644541.01	4201280.37	0.60497
644641.01	4201280.37	0.68250	644741.01	4201280.37	0.77601
644841.01	4201280.37	0.88976	644941.01	4201280.37	1.02824
645041.01	4201280.37	1.19518	645141.01	4201280.37	1.39156
645241.01	4201280.37	1.61398	645341.01	4201280.37	1.85107
645441.01	4201280.37	2.08810	645541.01	4201280.37	2.31117
645641.01	4201280.37	2.50174	645741.01	4201280.37	2.61733
645841.01	4201280.37	2.60742	645941.01	4201280.37	2.46432
646041.01	4201280.37	2.23554	646141.01	4201280.37	2.00534

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.77688	646341.01	4201280.37	1.56796
646441.01	4201280.37	1.38383	646541.01	4201280.37	1.22803
646641.01	4201280.37	1.09713	646741.01	4201280.37	0.98705
646841.01	4201280.37	0.89358	646941.01	4201280.37	0.81330
647041.01	4201280.37	0.74352	647141.01	4201280.37	0.68236
647241.01	4201280.37	0.62836	647341.01	4201280.37	0.58040
644341.01	4201380.37	0.47127	644441.01	4201380.37	0.52202
644541.01	4201380.37	0.58155	644641.01	4201380.37	0.65195
644741.01	4201380.37	0.73525	644841.01	4201380.37	0.83368
644941.01	4201380.37	0.94863	645041.01	4201380.37	1.07988
645141.01	4201380.37	1.22466	645241.01	4201380.37	1.37706
645341.01	4201380.37	1.52770	645441.01	4201380.37	1.66464
645541.01	4201380.37	1.77681	645641.01	4201380.37	1.85113
645741.01	4201380.37	1.87196	645841.01	4201380.37	1.83116
645941.01	4201380.37	1.73615	646041.01	4201380.37	1.61145
646141.01	4201380.37	1.47352	646241.01	4201380.37	1.34406
646341.01	4201380.37	1.21405	646441.01	4201380.37	1.09296
646541.01	4201380.37	0.98597	646641.01	4201380.37	0.89339
646741.01	4201380.37	0.81375	646841.01	4201380.37	0.74512

646941.01	4201380.37	0.68557	647041.01	4201380.37	0.63344
647141.01	4201380.37	0.58738	647241.01	4201380.37	0.54633
647341.01	4201380.37	0.50947	644341.01	4201480.37	0.45537
644441.01	4201480.37	0.50218	644541.01	4201480.37	0.55635
644641.01	4201480.37	0.61924	644741.01	4201480.37	0.69192
644841.01	4201480.37	0.77469	644941.01	4201480.37	0.86711
645041.01	4201480.37	0.96727	645141.01	4201480.37	1.07155
645241.01	4201480.37	1.17444	645341.01	4201480.37	1.26756
645441.01	4201480.37	1.34276	645541.01	4201480.37	1.39324
645641.01	4201480.37	1.41469	645741.01	4201480.37	1.40511
645841.01	4201480.37	1.36619	645941.01	4201480.37	1.30333
646041.01	4201480.37	1.22658	646141.01	4201480.37	1.14181
646241.01	4201480.37	1.05974	646341.01	4201480.37	0.97444
646441.01	4201480.37	0.89172	646541.01	4201480.37	0.81546
646641.01	4201480.37	0.74730	646741.01	4201480.37	0.68706
646841.01	4201480.37	0.63403	646941.01	4201480.37	0.58749
647041.01	4201480.37	0.54648	647141.01	4201480.37	0.51012
647241.01	4201480.37	0.47764	647341.01	4201480.37	0.44842
644341.01	4201580.37	0.43849	644441.01	4201580.37	0.48124
644541.01	4201580.37	0.52991	644641.01	4201580.37	0.58511
644741.01	4201580.37	0.64693	644841.01	4201580.37	0.71473

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.78720	645041.01	4201580.37	0.86205
645141.01	4201580.37	0.93576	645241.01	4201580.37	1.00296
645341.01	4201580.37	1.05784	645441.01	4201580.37	1.09553
645541.01	4201580.37	1.11374	645641.01	4201580.37	1.11301
645741.01	4201580.37	1.09560	645841.01	4201580.37	1.06460
645941.01	4201580.37	1.02225	646041.01	4201580.37	0.97209
646141.01	4201580.37	0.91662	646241.01	4201580.37	0.86003
646341.01	4201580.37	0.80289	646441.01	4201580.37	0.74445
646541.01	4201580.37	0.68874	646641.01	4201580.37	0.63756
646741.01	4201580.37	0.59099	646841.01	4201580.37	0.54907
646941.01	4201580.37	0.51160	647041.01	4201580.37	0.47823
647141.01	4201580.37	0.44841	647241.01	4201580.37	0.42167
647341.01	4201580.37	0.39759	644341.01	4201680.37	0.42096
644441.01	4201680.37	0.45953	644541.01	4201680.37	0.50254
644641.01	4201680.37	0.55006	644741.01	4201680.37	0.60144
644841.01	4201680.37	0.65576	644941.01	4201680.37	0.71155
645041.01	4201680.37	0.76622	645141.01	4201680.37	0.81657
645241.01	4201680.37	0.85864	645341.01	4201680.37	0.88858
645441.01	4201680.37	0.90438	645541.01	4201680.37	0.90676

645641.01	4201680.37	0.89851	645741.01	4201680.37	0.88111
645841.01	4201680.37	0.85748	645941.01	4201680.37	0.82781
646041.01	4201680.37	0.79406	646141.01	4201680.37	0.75570
646241.01	4201680.37	0.71588	646341.01	4201680.37	0.67405
646441.01	4201680.37	0.63240	646541.01	4201680.37	0.59084
646641.01	4201680.37	0.55169	646741.01	4201680.37	0.51542
646841.01	4201680.37	0.48203	646941.01	4201680.37	0.45154
647041.01	4201680.37	0.42345	647141.01	4201680.37	0.39887
647241.01	4201680.37	0.37631	647341.01	4201680.37	0.35591
644341.01	4201780.37	0.40303	644441.01	4201780.37	0.43728
644541.01	4201780.37	0.47467	644641.01	4201780.37	0.51466
644741.01	4201780.37	0.55661	644841.01	4201780.37	0.59927
644941.01	4201780.37	0.64108	645041.01	4201780.37	0.67992
645141.01	4201780.37	0.71299	645241.01	4201780.37	0.73757
645341.01	4201780.37	0.75184	645441.01	4201780.37	0.75595
645541.01	4201780.37	0.75154	645641.01	4201780.37	0.74110
645741.01	4201780.37	0.72634	645841.01	4201780.37	0.70770
645941.01	4201780.37	0.68646	646041.01	4201780.37	0.66268
646141.01	4201780.37	0.63612	646241.01	4201780.37	0.60707
646341.01	4201780.37	0.57614	646441.01	4201780.37	0.54429
646541.01	4201780.37	0.51267	646641.01	4201780.37	0.48229

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.45367	646841.01	4201780.37	0.42707
646941.01	4201780.37	0.40213	647041.01	4201780.37	0.37922
647141.01	4201780.37	0.35821	647241.01	4201780.37	0.33895
647341.01	4201780.37	0.32157	644341.01	4201880.37	0.38471
644441.01	4201880.37	0.41473	644541.01	4201880.37	0.44654
644641.01	4201880.37	0.47964	644741.01	4201880.37	0.51313
644841.01	4201880.37	0.54585	644941.01	4201880.37	0.57637
645041.01	4201880.37	0.60284	645141.01	4201880.37	0.62340
645241.01	4201880.37	0.63651	645341.01	4201880.37	0.64171
645441.01	4201880.37	0.64014	645541.01	4201880.37	0.63250
645641.01	4201880.37	0.62237	645741.01	4201880.37	0.61020
645841.01	4201880.37	0.59652	645941.01	4201880.37	0.58127
646041.01	4201880.37	0.56430	646141.01	4201880.37	0.54506
646241.01	4201880.37	0.52320	646341.01	4201880.37	0.49945
646441.01	4201880.37	0.47516	646541.01	4201880.37	0.45060
646641.01	4201880.37	0.42621	646741.01	4201880.37	0.40329
646841.01	4201880.37	0.38157	646941.01	4201880.37	0.36124
647041.01	4201880.37	0.34218	647141.01	4201880.37	0.32441
647241.01	4201880.37	0.30791	647341.01	4201880.37	0.29268

644341.01	4201980.37	0.36619	644441.01	4201980.37	0.39199
644541.01	4201980.37	0.41861	644641.01	4201980.37	0.44538
644741.01	4201980.37	0.47146	644841.01	4201980.37	0.49587
644941.01	4201980.37	0.51741	645041.01	4201980.37	0.53480
645141.01	4201980.37	0.54676	645241.01	4201980.37	0.55218
645341.01	4201980.37	0.55238	645441.01	4201980.37	0.54803
645541.01	4201980.37	0.54067	645641.01	4201980.37	0.53201
645741.01	4201980.37	0.52223	645841.01	4201980.37	0.51182
645941.01	4201980.37	0.50049	646041.01	4201980.37	0.48775
646141.01	4201980.37	0.47297	646241.01	4201980.37	0.45615
646341.01	4201980.37	0.43786	646441.01	4201980.37	0.41868
646541.01	4201980.37	0.39923	646641.01	4201980.37	0.37996
646741.01	4201980.37	0.36131	646841.01	4201980.37	0.34355
646941.01	4201980.37	0.32673	647041.01	4201980.37	0.31083
647141.01	4201980.37	0.29582	647241.01	4201980.37	0.28162
647341.01	4201980.37	0.26842	644341.01	4202080.37	0.34749
644441.01	4202080.37	0.36924	644541.01	4202080.37	0.39098
644641.01	4202080.37	0.41218	644741.01	4202080.37	0.43205
644841.01	4202080.37	0.44983	644941.01	4202080.37	0.46458
645041.01	4202080.37	0.47492	645141.01	4202080.37	0.48115
645241.01	4202080.37	0.48278	645341.01	4202080.37	0.48039

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.47543	645541.01	4202080.37	0.46832
645641.01	4202080.37	0.46057	645741.01	4202080.37	0.45270
645841.01	4202080.37	0.44471	645941.01	4202080.37	0.43614
646041.01	4202080.37	0.42648	646141.01	4202080.37	0.41508
646241.01	4202080.37	0.40197	646341.01	4202080.37	0.38747
646441.01	4202080.37	0.37212	646541.01	4202080.37	0.35645
646641.01	4202080.37	0.34086	646741.01	4202080.37	0.32560
646841.01	4202080.37	0.31090	646941.01	4202080.37	0.29685
647041.01	4202080.37	0.28348	647141.01	4202080.37	0.27080
647241.01	4202080.37	0.25876	647341.01	4202080.37	0.24736
644341.01	4202180.37	0.32865	644441.01	4202180.37	0.34661
644541.01	4202180.37	0.36409	644641.01	4202180.37	0.38055
644741.01	4202180.37	0.39502	644841.01	4202180.37	0.40753
644941.01	4202180.37	0.41714	645041.01	4202180.37	0.42339
645141.01	4202180.37	0.42601	645241.01	4202180.37	0.42548
645341.01	4202180.37	0.42175	645441.01	4202180.37	0.41627
645541.01	4202180.37	0.40970	645641.01	4202180.37	0.40324
645741.01	4202180.37	0.39705	645841.01	4202180.37	0.39084
645941.01	4202180.37	0.38425	646041.01	4202180.37	0.37676

646141.01	4202180.37	0.36788	646241.01	4202180.37	0.35746
646341.01	4202180.37	0.34586	646441.01	4202180.37	0.33341
646541.01	4202180.37	0.32059	646641.01	4202180.37	0.30770
646741.01	4202180.37	0.29506	646841.01	4202180.37	0.28276
646941.01	4202180.37	0.27096	647041.01	4202180.37	0.25966
647141.01	4202180.37	0.24886	647241.01	4202180.37	0.23857
647341.01	4202180.37	0.22874	644341.01	4202280.37	0.30993
644441.01	4202280.37	0.32429	644541.01	4202280.37	0.33799
644641.01	4202280.37	0.35042	644741.01	4202280.37	0.36121
644841.01	4202280.37	0.36981	644941.01	4202280.37	0.37575
645041.01	4202280.37	0.37879	645141.01	4202280.37	0.37912
645241.01	4202280.37	0.37693	645341.01	4202280.37	0.37278
645441.01	4202280.37	0.36747	645541.01	4202280.37	0.36188
645641.01	4202280.37	0.35659	645741.01	4202280.37	0.35153
645841.01	4202280.37	0.34665	645941.01	4202280.37	0.34154
646041.01	4202280.37	0.33577	646141.01	4202280.37	0.32882
646241.01	4202280.37	0.32050	646341.01	4202280.37	0.31097
646441.01	4202280.37	0.30071	646541.01	4202280.37	0.29015
646641.01	4202280.37	0.27948	646741.01	4202280.37	0.26886
646841.01	4202280.37	0.25849	646941.01	4202280.37	0.24847
647041.01	4202280.37	0.23880	647141.01	4202280.37	0.22953

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.22066	647341.01	4202280.37	0.21217
645946.01	4200731.54	20.06052	645933.67	4200896.54	46.31161
645889.89	4200889.80	47.71732	645847.24	4200866.23	51.36708
645697.97	4200718.07	70.05862	645704.70	4200712.46	70.35805

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	9855.36071	646506.52	4202111.83	5848.55569
645939.20	4200707.16	2110922.73803	644341.01	4199280.37	4925.09455
644441.01	4199280.37	5206.10444	644541.01	4199280.37	5537.69292
644641.01	4199280.37	5933.71715	644741.01	4199280.37	6407.88055
644841.01	4199280.37	6969.44066	644941.01	4199280.37	7617.49367
645041.01	4199280.37	8337.04317	645141.01	4199280.37	9094.01866
645241.01	4199280.37	9834.24576	645341.01	4199280.37	10490.87557
645441.01	4199280.37	10998.23200	645541.01	4199280.37	11322.38017
645641.01	4199280.37	11491.15564	645741.01	4199280.37	11601.40411
645841.01	4199280.37	11785.12119	645941.01	4199280.37	12143.79888
646041.01	4199280.37	12688.43866	646141.01	4199280.37	13338.15195
646241.01	4199280.37	13965.84740	646341.01	4199280.37	14465.32129
646441.01	4199280.37	14780.77994	646541.01	4199280.37	14904.84756
646641.01	4199280.37	14866.30991	646741.01	4199280.37	14714.61299
646841.01	4199280.37	14505.48819	646941.01	4199280.37	14247.13377
647041.01	4199280.37	13981.37437	647141.01	4199280.37	13682.40151
647241.01	4199280.37	13361.35185	647341.01	4199280.37	13006.58336
644341.01	4199380.37	5228.29429	644441.01	4199380.37	5521.03185
644541.01	4199380.37	5862.75614	644641.01	4199380.37	6270.74429
644741.01	4199380.37	6763.46087	644841.01	4199380.37	7357.90716
644941.01	4199380.37	8063.22892	645041.01	4199380.37	8872.44949
645141.01	4199380.37	9754.53808	645241.01	4199380.37	10652.16765
645341.01	4199380.37	11482.41541	645441.01	4199380.37	12155.21237
645541.01	4199380.37	12609.54260	645641.01	4199380.37	12859.53308
645741.01	4199380.37	13016.72614	645841.01	4199380.37	13249.22378
645941.01	4199380.37	13690.93027	646041.01	4199380.37	14354.35803

646141.01	4199380.37	15125.04754	646241.01	4199380.37	15839.81700
646341.01	4199380.37	16371.84907	646441.01	4199380.37	16665.45983
646541.01	4199380.37	16730.14449	646641.01	4199380.37	16617.00028
646741.01	4199380.37	16391.00970	646841.01	4199380.37	16103.32143
646941.01	4199380.37	15779.71577	647041.01	4199380.37	15434.02267
647141.01	4199380.37	15039.33200	647241.01	4199380.37	14606.85327
647341.01	4199380.37	14136.44378	644341.01	4199480.37	5574.52190
644441.01	4199480.37	5885.72319	644541.01	4199480.37	6243.54603
644641.01	4199480.37	6665.23561	644741.01	4199480.37	7175.52114
644841.01	4199480.37	7799.23866	644941.01	4199480.37	8557.14007
645041.01	4199480.37	9456.52624	645141.01	4199480.37	10474.66297
645241.01	4199480.37	11556.18936	645341.01	4199480.37	12602.87042
645441.01	4199480.37	13494.81845	645541.01	4199480.37	14131.55540
645641.01	4199480.37	14501.83715	645741.01	4199480.37	14728.71146

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1
***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	15028.71301	645941.01	4199480.37	15581.21915
646041.01	4199480.37	16397.09637	646141.01	4199480.37	17317.54617
646241.01	4199480.37	18130.73146	646341.01	4199480.37	18684.73711
646441.01	4199480.37	18932.62705	646541.01	4199480.37	18911.30999
646641.01	4199480.37	18700.84695	646741.01	4199480.37	18379.31352
646841.01	4199480.37	18006.45074	646941.01	4199480.37	17562.42660
647041.01	4199480.37	17097.44800	647141.01	4199480.37	16562.36393
647241.01	4199480.37	15977.64660	647341.01	4199480.37	15355.41259
644341.01	4199580.37	5966.66651	644441.01	4199580.37	6306.20328
644541.01	4199580.37	6688.50460	644641.01	4199580.37	7132.28625
644741.01	4199580.37	7662.67275	644841.01	4199580.37	8313.04253
644941.01	4199580.37	9118.07718	645041.01	4199580.37	10103.39169
645141.01	4199580.37	11265.31709	645241.01	4199580.37	12556.96965
645341.01	4199580.37	13871.27048	645441.01	4199580.37	15052.50781
645541.01	4199580.37	15946.03039	645641.01	4199580.37	16495.10037
645741.01	4199580.37	16828.24015	645841.01	4199580.37	17224.46483
645941.01	4199580.37	17927.67035	646041.01	4199580.37	18946.28931
646141.01	4199580.37	20055.41961	646241.01	4199580.37	20972.56441
646341.01	4199580.37	21526.27522	646441.01	4199580.37	21692.38662
646541.01	4199580.37	21550.46992	646641.01	4199580.37	21209.77194
646741.01	4199580.37	20755.49306	646841.01	4199580.37	20244.75347
646941.01	4199580.37	19627.18154	647041.01	4199580.37	18977.32791
647141.01	4199580.37	18243.40123	647241.01	4199580.37	17459.05175
647341.01	4199580.37	16643.16944	644341.01	4199680.37	6404.92222
644441.01	4199680.37	6785.78860	644541.01	4199680.37	7207.00059
644641.01	4199680.37	7684.80021	644741.01	4199680.37	8245.05248

644841.01	4199680.37	8925.48164	644941.01	4199680.37	9774.11712
645041.01	4199680.37	10837.72307	645141.01	4199680.37	12144.34950
645241.01	4199680.37	13669.37294	645341.01	4199680.37	15308.42818
645441.01	4199680.37	16870.90905	645541.01	4199680.37	18128.55098
645641.01	4199680.37	18947.88675	645741.01	4199680.37	19446.09199
645841.01	4199680.37	19983.82906	645941.01	4199680.37	20896.06952
646041.01	4199680.37	22187.08576	646141.01	4199680.37	23531.15056
646241.01	4199680.37	24553.75625	646341.01	4199680.37	25068.95469
646441.01	4199680.37	25100.97295	646541.01	4199680.37	24785.81095
646641.01	4199680.37	24261.39953	646741.01	4199680.37	23607.64690
646841.01	4199680.37	22872.58220	646941.01	4199680.37	21995.20278
647041.01	4199680.37	21072.73755	647141.01	4199680.37	20065.16500
647241.01	4199680.37	19021.09760	647341.01	4199680.37	17967.31093
644341.01	4199780.37	6886.47348	644441.01	4199780.37	7323.53992

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	7802.20885	644641.01	4199780.37	8335.46074
644741.01	4199780.37	8944.56602	644841.01	4199780.37	9668.74540
644941.01	4199780.37	10563.20715	645041.01	4199780.37	11699.49285
645141.01	4199780.37	13143.88014	645241.01	4199780.37	14917.27074
645341.01	4199780.37	16941.80894	645441.01	4199780.37	19002.11172
645541.01	4199780.37	20777.66559	645641.01	4199780.37	22011.39989
645741.01	4199780.37	22773.11178	645841.01	4199780.37	23524.65678
645941.01	4199780.37	24738.40886	646041.01	4199780.37	26406.06987
646141.01	4199780.37	28041.64015	646241.01	4199780.37	29152.13875
646341.01	4199780.37	29561.98060	646441.01	4199780.37	29378.28547
646541.01	4199780.37	28805.22611	646641.01	4199780.37	27997.33280
646741.01	4199780.37	27023.89998	646841.01	4199780.37	25903.68739
646941.01	4199780.37	24667.99032	647041.01	4199780.37	23359.27801
647141.01	4199780.37	21990.14034	647241.01	4199780.37	20621.79392
647341.01	4199780.37	19288.58885	644341.01	4199880.37	7408.26905
644441.01	4199880.37	7917.02467	644541.01	4199880.37	8474.14399
644641.01	4199880.37	9088.31085	644741.01	4199880.37	9777.93888
644841.01	4199880.37	10574.70727	644941.01	4199880.37	11535.14421
645041.01	4199880.37	12748.11604	645141.01	4199880.37	14320.21066
645241.01	4199880.37	16344.27245	645341.01	4199880.37	18809.12607
645441.01	4199880.37	21509.71878	645541.01	4199880.37	24024.17528
645641.01	4199880.37	25902.09063	645741.01	4199880.37	27095.88026
645841.01	4199880.37	28186.78158	645941.01	4199880.37	29851.47608
646041.01	4199880.37	32044.78909	646141.01	4199880.37	34037.30096
646241.01	4199880.37	35186.13539	646341.01	4199880.37	35373.14788
646441.01	4199880.37	34835.53082	646541.01	4199880.37	33848.92236

646641.01	4199880.37	32587.91448	646741.01	4199880.37	31079.29790
646841.01	4199880.37	29385.32716	646941.01	4199880.37	27612.79409
647041.01	4199880.37	25771.19555	647141.01	4199880.37	23952.50610
647241.01	4199880.37	22205.30205	647341.01	4199880.37	20563.08409
644341.01	4199980.37	7967.45901	644441.01	4199980.37	8561.75419
644541.01	4199980.37	9217.80818	644641.01	4199980.37	9943.82497
644741.01	4199980.37	10752.77948	644841.01	4199980.37	11669.41610
644941.01	4199980.37	12744.52621	645041.01	4199980.37	14060.95101
645141.01	4199980.37	15766.30105	645241.01	4199980.37	18032.66108
645341.01	4199980.37	20974.94800	645441.01	4199980.37	24476.67972
645541.01	4199980.37	28041.84751	645641.01	4199980.37	30943.30409
645741.01	4199980.37	32885.90574	645841.01	4199980.37	34520.68270
645941.01	4199980.37	36883.71503	646041.01	4199980.37	39836.08763
646141.01	4199980.37	42248.39712	646241.01	4199980.37	43309.51483

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	43053.13271	646441.01	4199980.37	41904.02149
646541.01	4199980.37	40199.37662	646641.01	4199980.37	38105.88057
646741.01	4199980.37	35751.96289	646841.01	4199980.37	33254.07726
646941.01	4199980.37	30700.05400	647041.01	4199980.37	28215.12740
647141.01	4199980.37	25871.71325	647241.01	4199980.37	23709.30634
647341.01	4199980.37	21742.74690	644341.01	4200080.37	8562.25141
644441.01	4200080.37	9254.39229	644541.01	4200080.37	10028.43152
644641.01	4200080.37	10895.23907	644741.01	4200080.37	11867.85609
644841.01	4200080.37	12967.00606	644941.01	4200080.37	14228.63110
645041.01	4200080.37	15730.21139	645141.01	4200080.37	17615.46628
645241.01	4200080.37	20130.39699	645341.01	4200080.37	23564.63849
645441.01	4200080.37	28025.39950	645541.01	4200080.37	33068.26773
645641.01	4200080.37	37609.78822	645741.01	4200080.37	40858.62024
645841.01	4200080.37	43532.14056	645941.01	4200080.37	47081.98139
646041.01	4200080.37	51190.34304	646141.01	4200080.37	53925.05936
646241.01	4200080.37	54589.26700	646341.01	4200080.37	53424.92780
646441.01	4200080.37	51113.06103	646541.01	4200080.37	48155.80800
646641.01	4200080.37	44671.93215	646741.01	4200080.37	40976.43294
646841.01	4200080.37	37291.89313	646941.01	4200080.37	33786.18115
647041.01	4200080.37	30559.32770	647141.01	4200080.37	27657.01664
647241.01	4200080.37	25072.95405	647341.01	4200080.37	22792.47948
644341.01	4200180.37	9194.69538	644441.01	4200180.37	9994.76587
644541.01	4200180.37	10902.52084	644641.01	4200180.37	11935.57604
644741.01	4200180.37	13114.22984	644841.01	4200180.37	14461.76127
644941.01	4200180.37	16012.84019	645041.01	4200180.37	17827.36228
645141.01	4200180.37	20028.96910	645241.01	4200180.37	22877.32353

645341.01	4200180.37	26828.14486	645441.01	4200180.37	32376.54086
645541.01	4200180.37	39443.89103	645641.01	4200180.37	46667.31295
645741.01	4200180.37	52326.09128	645841.01	4200180.37	56904.69973
645941.01	4200180.37	62459.42146	646041.01	4200180.37	68247.87173
646141.01	4200180.37	71325.52227	646241.01	4200180.37	70778.42900
646341.01	4200180.37	67591.05977	646441.01	4200180.37	63102.89077
646541.01	4200180.37	57671.43422	646641.01	4200180.37	51956.96620
646741.01	4200180.37	46390.90341	646841.01	4200180.37	41252.78919
646941.01	4200180.37	36671.45339	647041.01	4200180.37	32670.33758
647141.01	4200180.37	29215.42473	647241.01	4200180.37	26236.62047
647341.01	4200180.37	23671.53475	644341.01	4200280.37	9870.66452
644441.01	4200280.37	10787.27070	644541.01	4200280.37	11842.77116
644641.01	4200280.37	13063.87014	644741.01	4200280.37	14483.64338
644841.01	4200280.37	16142.34668	644941.01	4200280.37	18088.19463

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	20387.08246	645141.01	4200280.37	23145.77016
645241.01	4200280.37	26589.66803	645341.01	4200280.37	31228.47724
645441.01	4200280.37	37996.14313	645541.01	4200280.37	47725.26999
645641.01	4200280.37	59360.50077	645741.01	4200280.37	69782.12637
645841.01	4200280.37	78239.99934	645941.01	4200280.37	87566.70453
646041.01	4200280.37	95878.37486	646141.01	4200280.37	98256.03710
646241.01	4200280.37	94250.16518	646341.01	4200280.37	86975.14851
646441.01	4200280.37	77853.94296	646541.01	4200280.37	68363.85284
646641.01	4200280.37	59432.02795	646741.01	4200280.37	51550.43446
646841.01	4200280.37	44820.07569	646941.01	4200280.37	39158.01786
647041.01	4200280.37	34428.76734	647141.01	4200280.37	30473.76203
647241.01	4200280.37	27152.83708	647341.01	4200280.37	24345.35346
644341.01	4200380.37	10604.36080	644441.01	4200380.37	11647.64426
644541.01	4200380.37	12864.76854	644641.01	4200380.37	14294.13886
644741.01	4200380.37	15986.79626	644841.01	4200380.37	18008.76091
644941.01	4200380.37	20445.52655	645041.01	4200380.37	23405.90554
645141.01	4200380.37	27035.76289	645241.01	4200380.37	31567.30687
645341.01	4200380.37	37469.42919	645441.01	4200380.37	45959.82931
645541.01	4200380.37	59026.65753	645641.01	4200380.37	77967.28272
645741.01	4200380.37	98065.08032	645841.01	4200380.37	115691.35752
645941.01	4200380.37	132676.69543	646041.01	4200380.37	144002.45323
646141.01	4200380.37	141653.35851	646241.01	4200380.37	128798.97174
646341.01	4200380.37	111880.20861	646441.01	4200380.37	94508.03796
646541.01	4200380.37	79087.21940	646641.01	4200380.37	66256.20811
646741.01	4200380.37	55933.39430	646841.01	4200380.37	47686.74186
646941.01	4200380.37	41071.11478	647041.01	4200380.37	35729.30504

647141.01	4200380.37	31370.80274	647241.01	4200380.37	27776.54463
647341.01	4200380.37	24782.00960	644341.01	4200480.37	11414.01562
644441.01	4200480.37	12599.22633	644541.01	4200480.37	14003.33355
644641.01	4200480.37	15667.60970	644741.01	4200480.37	17669.17088
644841.01	4200480.37	20106.95870	644941.01	4200480.37	23118.64113
645041.01	4200480.37	26902.93457	645141.01	4200480.37	31730.89266
645241.01	4200480.37	38002.08564	645341.01	4200480.37	46343.19857
645441.01	4200480.37	57800.05429	645541.01	4200480.37	76207.50507
645641.01	4200480.37	107714.12611	645741.01	4200480.37	150721.49140
645841.01	4200480.37	194476.79964	645941.01	4200480.37	229936.92889
646041.01	4200480.37	239482.39931	646141.01	4200480.37	214844.61396
646241.01	4200480.37	176521.16623	646341.01	4200480.37	139934.80297
646441.01	4200480.37	110418.41499	646541.01	4200480.37	88097.21937
646641.01	4200480.37	71487.02702	646741.01	4200480.37	59048.01721

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	49587.32027	646941.01	4200480.37	42252.93606
647041.01	4200480.37	36472.37478	647141.01	4200480.37	31833.40562
647241.01	4200480.37	28057.18804	647341.01	4200480.37	24942.40350
644341.01	4200580.37	12279.84012	644441.01	4200580.37	13627.02596
644541.01	4200580.37	15226.47077	644641.01	4200580.37	17152.17561
644741.01	4200580.37	19503.40449	644841.01	4200580.37	22419.98593
644941.01	4200580.37	26102.81197	645041.01	4200580.37	30863.29621
645141.01	4200580.37	37167.27103	645241.01	4200580.37	45722.98707
645341.01	4200580.37	57914.55938	645441.01	4200580.37	75793.43470
645541.01	4200580.37	105378.68943	645641.01	4200580.37	161271.17838
645741.01	4200580.37	270320.19242	645841.01	4200580.37	409066.44703
645941.01	4200580.37	483650.85786	646041.01	4200580.37	439346.65631
646141.01	4200580.37	325491.19619	646241.01	4200580.37	229010.78883
646341.01	4200580.37	164015.75805	646441.01	4200580.37	121696.94722
646541.01	4200580.37	93610.85981	646641.01	4200580.37	74270.25440
646741.01	4200580.37	60458.50925	646841.01	4200580.37	50273.11963
646941.01	4200580.37	42547.55518	647041.01	4200580.37	36544.42510
647141.01	4200580.37	31782.90808	647241.01	4200580.37	27938.88865
647341.01	4200580.37	24787.26878	644341.01	4200680.37	13115.11385
644441.01	4200680.37	14621.52771	644541.01	4200680.37	16430.68407
644641.01	4200680.37	18634.29794	644741.01	4200680.37	21361.36940
644841.01	4200680.37	24797.61013	644941.01	4200680.37	29221.31604
645041.01	4200680.37	35083.13077	645141.01	4200680.37	43114.85004
645241.01	4200680.37	54614.71521	645341.01	4200680.37	71732.42180
645441.01	4200680.37	100796.90331	645541.01	4200680.37	154507.37109
645641.01	4200680.37	281820.41879	645741.01	4200680.37	786688.67398

645841.01	4200680.37	1417318.50474	645941.01	4200680.37	1420825.67422
646041.01	4200680.37	823304.68478	646141.01	4200680.37	437219.20230
646241.01	4200680.37	262411.92935	646341.01	4200680.37	174415.82837
646441.01	4200680.37	124764.79716	646541.01	4200680.37	94129.02628
646641.01	4200680.37	73906.09564	646741.01	4200680.37	59784.40333
646841.01	4200680.37	49523.38419	646941.01	4200680.37	41815.44352
647041.01	4200680.37	35864.61504	647141.01	4200680.37	31165.84192
647241.01	4200680.37	27384.22729	647341.01	4200680.37	24290.68769
644341.01	4200780.37	13786.46263	644441.01	4200780.37	15426.80529
644541.01	4200780.37	17408.62008	644641.01	4200780.37	19836.31915
644741.01	4200780.37	22865.21623	644841.01	4200780.37	26721.59196
644941.01	4200780.37	31757.65780	645041.01	4200780.37	38549.87533
645141.01	4200780.37	48041.11554	645241.01	4200780.37	62018.68663
645341.01	4200780.37	83770.63444	645441.01	4200780.37	121845.97451

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	200594.05554	645641.01	4200780.37	430846.71597
645741.01	4200780.37	1339938.55689	646041.01	4200780.37	990821.80268
646141.01	4200780.37	435279.27462	646241.01	4200780.37	248924.01446
646341.01	4200780.37	163613.04580	646441.01	4200780.37	117048.44132
646541.01	4200780.37	88583.38696	646641.01	4200780.37	69793.56940
646741.01	4200780.37	56694.70634	646841.01	4200780.37	47131.44365
646941.01	4200780.37	39920.38647	647041.01	4200780.37	34337.53639
647141.01	4200780.37	29913.72449	647241.01	4200780.37	26343.57517
647341.01	4200780.37	23415.62178	644341.01	4200880.37	14183.57065
644441.01	4200880.37	15888.18155	644541.01	4200880.37	17947.56880
644641.01	4200880.37	20480.48822	644741.01	4200880.37	23638.47753
644841.01	4200880.37	27662.77106	644941.01	4200880.37	32919.21871
645041.01	4200880.37	39993.03614	645141.01	4200880.37	49892.63267
645241.01	4200880.37	64359.30835	645341.01	4200880.37	86881.42271
645441.01	4200880.37	124952.19931	645541.01	4200880.37	196081.86256
645641.01	4200880.37	340311.55646	645741.01	4200880.37	645307.96257
645841.01	4200880.37	1223583.70477	645941.01	4200880.37	1232405.48161
646041.01	4200880.37	497298.52504	646141.01	4200880.37	279673.93262
646241.01	4200880.37	183226.34653	646341.01	4200880.37	130234.16593
646441.01	4200880.37	97761.88797	646541.01	4200880.37	76462.11607
646641.01	4200880.37	61648.48842	646741.01	4200880.37	50953.24321
646841.01	4200880.37	42939.06475	646941.01	4200880.37	36753.01407
647041.01	4200880.37	31880.72795	647141.01	4200880.37	27968.30931
647241.01	4200880.37	24772.56012	647341.01	4200880.37	22127.81523
644341.01	4200980.37	14268.32075	644441.01	4200980.37	15964.00998
644541.01	4200980.37	18004.35557	644641.01	4200980.37	20496.87782

644741.01	4200980.37	23600.16701
644941.01	4200980.37	32579.57345
645141.01	4200980.37	48456.20199
645341.01	4200980.37	80678.69516
645541.01	4200980.37	157047.30152
645741.01	4200980.37	290389.43990
645941.01	4200980.37	197399.43440
646141.01	4200980.37	132855.81464
646341.01	4200980.37	88020.54745
646541.01	4200980.37	59998.52817
646741.01	4200980.37	43082.32064
646941.01	4200980.37	32441.05438
647141.01	4200980.37	25358.58121
647341.01	4200980.37	20429.43198
644841.01	4200980.37	27517.33269
645041.01	4200980.37	39289.31394
645241.01	4200980.37	61471.49439
645441.01	4200980.37	110368.80725
645641.01	4200980.37	222652.42968
645841.01	4200980.37	288229.63647
646041.01	4200980.37	159327.94821
646241.01	4200980.37	108148.41244
646441.01	4200980.37	72240.37405
646641.01	4200980.37	50506.04915
646841.01	4200980.37	37187.32259
647041.01	4200980.37	28561.42271
647241.01	4200980.37	22684.71292
644341.01	4201080.37	14095.14515

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	15725.26571	644541.01	4201080.37	17680.07806
644641.01	4201080.37	20048.25275	644741.01	4201080.37	22962.78114
644841.01	4201080.37	26594.93529	644941.01	4201080.37	31204.71876
645041.01	4201080.37	37180.02689	645141.01	4201080.37	45087.64301
645241.01	4201080.37	55785.36161	645341.01	4201080.37	70530.13528
645441.01	4201080.37	90618.30597	645541.01	4201080.37	115471.81998
645641.01	4201080.37	137879.82258	645741.01	4201080.37	139849.82794
645841.01	4201080.37	115130.07802	645941.01	4201080.37	90412.53088
646041.01	4201080.37	77407.79709	646141.01	4201080.37	69439.84146
646241.01	4201080.37	62455.13765	646341.01	4201080.37	55943.52053
646441.01	4201080.37	49756.67070	646541.01	4201080.37	44068.37712
646641.01	4201080.37	38988.32423	646741.01	4201080.37	34574.09923
646841.01	4201080.37	30778.30168	646941.01	4201080.37	27509.72417
647041.01	4201080.37	24708.40187	647141.01	4201080.37	22297.17669
647241.01	4201080.37	20216.61519	647341.01	4201080.37	18413.34880
644341.01	4201180.37	13756.95126	644441.01	4201180.37	15294.53107
644541.01	4201180.37	17125.25478	644641.01	4201180.37	19320.88154
644741.01	4201180.37	21978.38483	644841.01	4201180.37	25237.06716
644941.01	4201180.37	29286.52945	645041.01	4201180.37	34388.79768
645141.01	4201180.37	40918.65348	645241.01	4201180.37	49271.98129
645341.01	4201180.37	59725.62059	645441.01	4201180.37	71686.67978
645541.01	4201180.37	82366.21160	645641.01	4201180.37	86042.74207
645741.01	4201180.37	77874.39439	645841.01	4201180.37	63174.65200
645941.01	4201180.37	53869.37367	646041.01	4201180.37	48259.73524
646141.01	4201180.37	43815.50257	646241.01	4201180.37	40280.37165
646341.01	4201180.37	37288.45785	646441.01	4201180.37	34551.67855

646541.01	4201180.37	31923.42970	646641.01	4201180.37	29389.29165
646741.01	4201180.37	26981.69489	646841.01	4201180.37	24743.21992
646941.01	4201180.37	22681.64042	647041.01	4201180.37	20809.05481
647141.01	4201180.37	19120.08269	647241.01	4201180.37	17604.15696
647341.01	4201180.37	16245.79516	644341.01	4201280.37	13326.96725
644441.01	4201280.37	14756.76375	644541.01	4201280.37	16440.23967
644641.01	4201280.37	18433.53550	644741.01	4201280.37	20807.96423
644841.01	4201280.37	23669.06579	644941.01	4201280.37	27149.61083
645041.01	4201280.37	31409.63422	645141.01	4201280.37	36604.36193
645241.01	4201280.37	42769.53438	645341.01	4201280.37	49471.80137
645441.01	4201280.37	55466.23285	645541.01	4201280.37	58437.18547
645641.01	4201280.37	56032.98609	645741.01	4201280.37	48725.13064
645841.01	4201280.37	41129.62080	645941.01	4201280.37	36470.03368
646041.01	4201280.37	33262.95899	646141.01	4201280.37	30815.77315

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	28647.38496	646341.01	4201280.37	26808.92856
646441.01	4201280.37	25209.54647	646541.01	4201280.37	23759.03726
646641.01	4201280.37	22372.65552	646741.01	4201280.37	21029.37844
646841.01	4201280.37	19725.72425	646941.01	4201280.37	18469.80087
647041.01	4201280.37	17270.81379	647141.01	4201280.37	16142.20271
647241.01	4201280.37	15088.67218	647341.01	4201280.37	14111.10670
644341.01	4201380.37	12841.04336	644441.01	4201380.37	14153.89762
644541.01	4201380.37	15677.39416	644641.01	4201380.37	17460.71223
644741.01	4201380.37	19555.29136	644841.01	4201380.37	22036.80856
644941.01	4201380.37	24982.34370	645041.01	4201380.37	28445.80929
645141.01	4201380.37	32386.07064	645241.01	4201380.37	36540.67133
645341.01	4201380.37	40273.90304	645441.01	4201380.37	42495.72198
645541.01	4201380.37	42047.47352	645641.01	4201380.37	38563.38673
645741.01	4201380.37	33462.78899	645841.01	4201380.37	29189.35650
645941.01	4201380.37	26570.83967	646041.01	4201380.37	24740.04585
646141.01	4201380.37	23060.84168	646241.01	4201380.37	21706.45572
646341.01	4201380.37	20454.63569	646441.01	4201380.37	19354.83359
646541.01	4201380.37	18384.96916	646641.01	4201380.37	17499.29094
646741.01	4201380.37	16663.10679	646841.01	4201380.37	15856.67886
646941.01	4201380.37	15071.61552	647041.01	4201380.37	14305.88050
647141.01	4201380.37	13561.87404	647241.01	4201380.37	12845.30044
647341.01	4201380.37	12159.32450	644341.01	4201480.37	12315.71444
644441.01	4201480.37	13507.89445	644541.01	4201480.37	14875.22990
644641.01	4201480.37	16457.11035	644741.01	4201480.37	18295.47720
644841.01	4201480.37	20422.80534	644941.01	4201480.37	22855.30160
645041.01	4201480.37	25541.80551	645141.01	4201480.37	28305.25808

645241.01	4201480.37	30795.85327	645341.01	4201480.37	32446.97647
645441.01	4201480.37	32655.87691	645541.01	4201480.37	31059.28357
645641.01	4201480.37	27987.23848	645741.01	4201480.37	24573.34595
645841.01	4201480.37	21989.77605	645941.01	4201480.37	20383.25419
646041.01	4201480.37	19207.35791	646141.01	4201480.37	18089.75671
646241.01	4201480.37	17144.57766	646341.01	4201480.37	16260.11428
646441.01	4201480.37	15464.90882	646541.01	4201480.37	14755.79826
646641.01	4201480.37	14119.31665	646741.01	4201480.37	13533.70076
646841.01	4201480.37	12980.03294	646941.01	4201480.37	12449.49134
647041.01	4201480.37	11934.66894	647141.01	4201480.37	11431.25517
647241.01	4201480.37	10939.56128	647341.01	4201480.37	10459.24879
644341.01	4201580.37	11768.06024	644441.01	4201580.37	12845.34930
644541.01	4201580.37	14070.53316	644641.01	4201580.37	15470.95541
644741.01	4201580.37	17063.81153	644841.01	4201580.37	18842.63665

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	20762.57419	645041.01	4201580.37	22703.54835
645141.01	4201580.37	24452.72823	645241.01	4201580.37	25695.10710
645341.01	4201580.37	26099.45473	645441.01	4201580.37	25418.81230
645541.01	4201580.37	23655.81851	645641.01	4201580.37	21246.16757
645741.01	4201580.37	18931.60546	645841.01	4201580.37	17275.36951
645941.01	4201580.37	16222.52449	646041.01	4201580.37	15420.19017
646141.01	4201580.37	14646.83671	646241.01	4201580.37	13939.67352
646341.01	4201580.37	13315.81148	646441.01	4201580.37	12724.17050
646541.01	4201580.37	12184.90984	646641.01	4201580.37	11698.96041
646741.01	4201580.37	11254.54544	646841.01	4201580.37	10840.55339
646941.01	4201580.37	10450.87175	647041.01	4201580.37	10079.83847
647141.01	4201580.37	9719.50621	647241.01	4201580.37	9368.06288
647341.01	4201580.37	9023.63261	644341.01	4201680.37	11218.77808
644441.01	4201680.37	12192.02108	644541.01	4201680.37	13285.83944
644641.01	4201680.37	14512.05699	644741.01	4201680.37	15855.47108
644841.01	4201680.37	17278.83648	644941.01	4201680.37	18702.00807
645041.01	4201680.37	19979.10313	645141.01	4201680.37	20931.49513
645241.01	4201680.37	21365.54395	645341.01	4201680.37	21116.78707
645441.01	4201680.37	20129.63003	645541.01	4201680.37	18540.46208
645641.01	4201680.37	16728.87992	645741.01	4201680.37	15123.45162
645841.01	4201680.37	14005.16759	645941.01	4201680.37	13269.57109
646041.01	4201680.37	12706.34543	646141.01	4201680.37	12148.79972
646241.01	4201680.37	11626.12665	646341.01	4201680.37	11135.37271
646441.01	4201680.37	10699.31967	646541.01	4201680.37	10280.96822
646641.01	4201680.37	9898.74634	646741.01	4201680.37	9549.20251
646841.01	4201680.37	9225.11494	646941.01	4201680.37	8921.80525

647041.01	4201680.37	8623.29435	647141.01	4201680.37	8358.99575
647241.01	4201680.37	8094.43948	647341.01	4201680.37	7837.60756
644341.01	4201780.37	10685.19828	644441.01	4201780.37	11558.51835
644541.01	4201780.37	12523.75429	644641.01	4201780.37	13565.10364
644741.01	4201780.37	14654.57937	644841.01	4201780.37	15727.65958
644941.01	4201780.37	16694.51715	645041.01	4201780.37	17441.59711
645141.01	4201780.37	17843.45964	645241.01	4201780.37	17800.20452
645341.01	4201780.37	17255.85135	645441.01	4201780.37	16243.86105
645541.01	4201780.37	14916.38611	645641.01	4201780.37	13550.67963
645741.01	4201780.37	12416.75955	645841.01	4201780.37	11616.59877
645941.01	4201780.37	11083.50152	646041.01	4201780.37	10667.29439
646141.01	4201780.37	10270.62353	646241.01	4201780.37	9876.00505
646341.01	4201780.37	9496.05889	646441.01	4201780.37	9141.23969
646541.01	4201780.37	8811.45835	646641.01	4201780.37	8505.18028

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	8222.75339	646841.01	4201780.37	7964.77453
646941.01	4201780.37	7719.68623	647041.01	4201780.37	7490.07107
647141.01	4201780.37	7272.24614	647241.01	4201780.37	7062.63489
647341.01	4201780.37	6866.23864	644341.01	4201880.37	10166.88863
644441.01	4201880.37	10941.45359	644541.01	4201880.37	11766.60384
644641.01	4201880.37	12619.08191	644741.01	4201880.37	13453.67670
644841.01	4201880.37	14204.43212	644941.01	4201880.37	14797.01011
645041.01	4201880.37	15152.38507	645141.01	4201880.37	15206.63374
645241.01	4201880.37	14917.15167	645341.01	4201880.37	14279.01258
645441.01	4201880.37	13356.75707	645541.01	4201880.37	12261.28915
645641.01	4201880.37	11230.09933	645741.01	4201880.37	10405.29308
645841.01	4201880.37	9830.50884	645941.01	4201880.37	9436.38328
646041.01	4201880.37	9124.42878	646141.01	4201880.37	8828.98602
646241.01	4201880.37	8524.73668	646341.01	4201880.37	8221.39410
646441.01	4201880.37	7940.69638	646541.01	4201880.37	7675.17896
646641.01	4201880.37	7419.07404	646741.01	4201880.37	7187.13790
646841.01	4201880.37	6970.70362	646941.01	4201880.37	6770.85579
647041.01	4201880.37	6582.75130	647141.01	4201880.37	6403.80551
647241.01	4201880.37	6231.71854	647341.01	4201880.37	6066.64749
644341.01	4201980.37	9659.47241	644441.01	4201980.37	10326.21550
644541.01	4201980.37	11007.02584	644641.01	4201980.37	11667.43656
644741.01	4201980.37	12262.50600	644841.01	4201980.37	12741.05804
644941.01	4201980.37	13051.52448	645041.01	4201980.37	13150.93425
645141.01	4201980.37	13006.16587	645241.01	4201980.37	12593.27330
645341.01	4201980.37	11958.95187	645441.01	4201980.37	11151.79112
645541.01	4201980.37	10286.30047	645641.01	4201980.37	9505.56392

645741.01	4201980.37	8892.39115	645841.01	4201980.37	8462.97155
645941.01	4201980.37	8159.60026	646041.01	4201980.37	7913.94797
646141.01	4201980.37	7678.34967	646241.01	4201980.37	7439.70168
646341.01	4201980.37	7202.02361	646441.01	4201980.37	6971.59750
646541.01	4201980.37	6753.83711	646641.01	4201980.37	6548.19513
646741.01	4201980.37	6354.38349	646841.01	4201980.37	6173.75327
646941.01	4201980.37	6006.21918	647041.01	4201980.37	5849.32043
647141.01	4201980.37	5700.17809	647241.01	4201980.37	5555.30281
647341.01	4201980.37	5417.28416	644341.01	4202080.37	9150.88025
644441.01	4202080.37	9703.69785	644541.01	4202080.37	10236.09852
644641.01	4202080.37	10718.16651	644741.01	4202080.37	11111.67124
644841.01	4202080.37	11381.90629	644941.01	4202080.37	11498.20662
645041.01	4202080.37	11423.53285	645141.01	4202080.37	11175.69987
645241.01	4202080.37	10744.32956	645341.01	4202080.37	10154.75997

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	9474.76253	645541.01	4202080.37	8775.90058
645641.01	4202080.37	8165.98119	645741.01	4202080.37	7699.94517
645841.01	4202080.37	7371.49829	645941.01	4202080.37	7133.47829
646041.01	4202080.37	6937.83755	646141.01	4202080.37	6750.08449
646241.01	4202080.37	6560.66121	646341.01	4202080.37	6369.07897
646441.01	4202080.37	6180.06383	646541.01	4202080.37	5998.94509
646641.01	4202080.37	5827.77652	646741.01	4202080.37	5666.28780
646841.01	4202080.37	5513.45736	646941.01	4202080.37	5370.37722
647041.01	4202080.37	5236.41849	647141.01	4202080.37	5111.18551
647241.01	4202080.37	4991.25436	647341.01	4202080.37	4875.32358
644341.01	4202180.37	8632.72123	644441.01	4202180.37	9070.03071
644541.01	4202180.37	9467.09974	644641.01	4202180.37	9796.48135
644741.01	4202180.37	10019.87023	644841.01	4202180.37	10137.15607
644941.01	4202180.37	10123.87891	645041.01	4202180.37	9972.56191
645141.01	4202180.37	9680.44440	645241.01	4202180.37	9263.98660
645341.01	4202180.37	8730.49730	645441.01	4202180.37	8148.29996
645541.01	4202180.37	7582.11811	645641.01	4202180.37	7106.53813
645741.01	4202180.37	6748.41544	645841.01	4202180.37	6491.46359
645941.01	4202180.37	6301.06539	646041.01	4202180.37	6141.82498
646141.01	4202180.37	5990.35863	646241.01	4202180.37	5836.94077
646341.01	4202180.37	5681.81377	646441.01	4202180.37	5525.84197
646541.01	4202180.37	5373.92105	646641.01	4202180.37	5228.00920
646741.01	4202180.37	5091.00615	646841.01	4202180.37	4960.62466
646941.01	4202180.37	4837.82288	647041.01	4202180.37	4722.80291
647141.01	4202180.37	4615.35057	647241.01	4202180.37	4513.32125
647341.01	4202180.37	4415.42196	644341.01	4202280.37	8107.49994

644441.01	4202280.37	8431.06565	644541.01	4202280.37	8706.94875
644641.01	4202280.37	8909.61483	644741.01	4202280.37	9025.93778
644841.01	4202280.37	9041.95213	644941.01	4202280.37	8949.66771
645041.01	4202280.37	8747.15604	645141.01	4202280.37	8442.12480
645241.01	4202280.37	8043.07164	645341.01	4202280.37	7573.99136
645441.01	4202280.37	7083.48812	645541.01	4202280.37	6628.45489
645641.01	4202280.37	6254.25818	645741.01	4202280.37	5971.50715
645841.01	4202280.37	5767.29990	645941.01	4202280.37	5612.72920
646041.01	4202280.37	5483.11220	646141.01	4202280.37	5359.91793
646241.01	4202280.37	5234.89509	646341.01	4202280.37	5105.55817
646441.01	4202280.37	4975.60327	646541.01	4202280.37	4848.59277
646641.01	4202280.37	4725.68261	646741.01	4202280.37	4607.25563
646841.01	4202280.37	4495.06738	646941.01	4202280.37	4388.84170
647041.01	4202280.37	4288.14394	647141.01	4202280.37	4193.66440

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	4105.82370	647341.01	4202280.37	4021.72344
645946.01	4200731.54	2733448.05447	645933.67	4200896.54	805470.46283
645889.89	4200889.80	1125651.81469	645847.24	4200866.23	1486154.87451
645697.97	4200718.07	702701.12527	645704.70	4200712.46	715728.39276

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	9856.11523	646506.52	4202111.83	5849.25801
645939.20	4200707.16	2110960.70011	644341.01	4199280.37	4925.52303
644441.01	4199280.37	5206.55885	644541.01	4199280.37	5538.17686
644641.01	4199280.37	5934.23495	644741.01	4199280.37	6408.43700
644841.01	4199280.37	6970.04053	644941.01	4199280.37	7618.14097
645041.01	4199280.37	8337.74030	645141.01	4199280.37	9094.76546
645241.01	4199280.37	9835.03882	645341.01	4199280.37	10491.70818
645441.01	4199280.37	10999.09582	645541.01	4199280.37	11323.26812
645641.01	4199280.37	11492.06465	645741.01	4199280.37	11602.33579
645841.01	4199280.37	11786.08002	645941.01	4199280.37	12144.78890
646041.01	4199280.37	12689.46110	646141.01	4199280.37	13339.20484
646241.01	4199280.37	13966.92617	646341.01	4199280.37	14466.41956
646441.01	4199280.37	14781.89013	646541.01	4199280.37	14905.96170
646641.01	4199280.37	14867.42040	646741.01	4199280.37	14715.71307
646841.01	4199280.37	14506.57248	646941.01	4199280.37	14248.19654
647041.01	4199280.37	13982.41271	647141.01	4199280.37	13683.41219
647241.01	4199280.37	13362.33333	647341.01	4199280.37	13007.53411
644341.01	4199380.37	5228.74726	644441.01	4199380.37	5521.51266
644541.01	4199380.37	5863.26855	644641.01	4199380.37	6271.29300

644741.01	4199380.37	6764.05152
644941.01	4199380.37	8063.92138
645141.01	4199380.37	9755.34809
645341.01	4199380.37	11483.33246
645541.01	4199380.37	12610.53107
645741.01	4199380.37	13017.77051
645941.01	4199380.37	13692.04684
646141.01	4199380.37	15126.23631
646341.01	4199380.37	16373.08437
646541.01	4199380.37	16731.39060
646741.01	4199380.37	16392.23168
646941.01	4199380.37	15780.88633
647141.01	4199380.37	15040.43511
647341.01	4199380.37	14137.47102
644441.01	4199480.37	5886.23357
644641.01	4199480.37	6665.81920
644841.01	4199480.37	7799.92051
645041.01	4199480.37	9457.33606
645241.01	4199480.37	11557.14088
645441.01	4199480.37	13495.88593
645641.01	4199480.37	14502.98054
644841.01	4199380.37	7358.54584
645041.01	4199380.37	8873.19998
645241.01	4199380.37	10653.03467
645441.01	4199380.37	12156.16962
645641.01	4199380.37	12860.54858
645841.01	4199380.37	13250.30223
646041.01	4199380.37	14355.51270
646241.01	4199380.37	15841.03318
646441.01	4199380.37	16666.70518
646641.01	4199380.37	16618.23831
646841.01	4199380.37	16104.52047
647041.01	4199380.37	15435.16123
647241.01	4199380.37	14607.91913
644341.01	4199480.37	5575.00198
644541.01	4199480.37	6244.09052
644741.01	4199480.37	7176.15014
644941.01	4199480.37	8557.88253
645141.01	4199480.37	10475.54405
645341.01	4199480.37	12603.88564
645541.01	4199480.37	14132.66369
645741.01	4199480.37	14729.89211

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	15029.93708	645941.01	4199480.37	15582.49035
646041.01	4199480.37	16398.41255	646141.01	4199480.37	17318.90027
646241.01	4199480.37	18132.11389	646341.01	4199480.37	18686.13741
646441.01	4199480.37	18934.03435	646541.01	4199480.37	18912.71335
646641.01	4199480.37	18702.23574	646741.01	4199480.37	18380.67805
646841.01	4199480.37	18007.78352	646941.01	4199480.37	17563.72006
647041.01	4199480.37	17098.69943	647141.01	4199480.37	16563.56964
647241.01	4199480.37	15978.80482	647341.01	4199480.37	15356.52222
644341.01	4199580.37	5967.17638	644441.01	4199580.37	6306.74662
644541.01	4199580.37	6689.08532	644641.01	4199580.37	7132.90949
644741.01	4199580.37	7663.34530	644841.01	4199580.37	8313.77303
644941.01	4199580.37	9118.87558	645041.01	4199580.37	10104.26786
645141.01	4199580.37	11266.27844	645241.01	4199580.37	12558.01827
645341.01	4199580.37	13872.40073	645441.01	4199580.37	15053.70674
645541.01	4199580.37	15947.28336	645641.01	4199580.37	16496.39953
645741.01	4199580.37	16829.58811	645841.01	4199580.37	17225.86901
645941.01	4199580.37	17929.13356	646041.01	4199580.37	18947.80578
646141.01	4199580.37	20056.97767	646241.01	4199580.37	20974.15069
646341.01	4199580.37	21527.87666	646441.01	4199580.37	21693.99024

646541.01	4199580.37	21552.06230	646641.01	4199580.37	21211.33986
646741.01	4199580.37	20757.02460	646841.01	4199580.37	20246.24017
646941.01	4199580.37	19628.61467	647041.01	4199580.37	18978.70542
647141.01	4199580.37	18244.71972	647241.01	4199580.37	17460.30982
647341.01	4199580.37	16644.36647	644341.01	4199680.37	6405.46449
644441.01	4199680.37	6786.36839	644541.01	4199680.37	7207.62205
644641.01	4199680.37	7685.46865	644741.01	4199680.37	8245.77501
644841.01	4199680.37	8926.26779	644941.01	4199680.37	9774.97896
645041.01	4199680.37	10838.67413	645141.01	4199680.37	12145.40203
645241.01	4199680.37	13670.53377	645341.01	4199680.37	15309.69441
645441.01	4199680.37	16872.26668	645541.01	4199680.37	18129.98129
645641.01	4199680.37	18949.37879	645741.01	4199680.37	19447.64905
645841.01	4199680.37	19985.46021	645941.01	4199680.37	20897.77556
646041.01	4199680.37	22188.85490	646141.01	4199680.37	23532.96428
646241.01	4199680.37	24555.59624	646341.01	4199680.37	25070.80482
646441.01	4199680.37	25102.81719	646541.01	4199680.37	24787.63223
646641.01	4199680.37	24263.18096	646741.01	4199680.37	23609.37400
646841.01	4199680.37	22874.24567	646941.01	4199680.37	21996.79375
647041.01	4199680.37	21074.25489	647141.01	4199680.37	20066.60600
647241.01	4199680.37	19022.46182	647341.01	4199680.37	17968.59889
644341.01	4199780.37	6887.05057	644441.01	4199780.37	7324.15955

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	7802.87568	644641.01	4199780.37	8336.18051
644741.01	4199780.37	8945.34617	644841.01	4199780.37	9669.59609
644941.01	4199780.37	10564.14219	645041.01	4199780.37	11700.52962
645141.01	4199780.37	13145.03712	645241.01	4199780.37	14918.56215
645341.01	4199780.37	16943.23747	645441.01	4199780.37	19003.66375
645541.01	4199780.37	20779.31730	645641.01	4199780.37	22013.13568
645741.01	4199780.37	22774.93592	645841.01	4199780.37	23526.58043
645941.01	4199780.37	24740.42877	646041.01	4199780.37	26408.16424
646141.01	4199780.37	28043.78029	646241.01	4199780.37	29154.29995
646341.01	4199780.37	29564.14259	646441.01	4199780.37	29380.42763
646541.01	4199780.37	28807.32587	646641.01	4199780.37	27999.36868
646741.01	4199780.37	27025.85531	646841.01	4199780.37	25905.55148
646941.01	4199780.37	24669.75830	647041.01	4199780.37	23360.94863
647141.01	4199780.37	21991.71251	647241.01	4199780.37	20623.26902
647341.01	4199780.37	19289.96956	644341.01	4199880.37	7408.88299
644441.01	4199880.37	7917.68716	644541.01	4199880.37	8474.86065
644641.01	4199880.37	9089.08827	644741.01	4199880.37	9778.78524
644841.01	4199880.37	10575.63340	644941.01	4199880.37	11536.16521
645041.01	4199880.37	12749.25274	645141.01	4199880.37	14321.48880

645241.01	4199880.37	16345.71704	645341.01	4199880.37	18810.75035
645441.01	4199880.37	21511.51298	645541.01	4199880.37	24026.10965
645641.01	4199880.37	25904.14234	645741.01	4199880.37	27098.05486
645841.01	4199880.37	28189.09270	645941.01	4199880.37	29853.91235
646041.01	4199880.37	32047.31206	646141.01	4199880.37	34039.86692
646241.01	4199880.37	35188.71072	646341.01	4199880.37	35375.70621
646441.01	4199880.37	34838.04441	646541.01	4199880.37	33851.36127
646641.01	4199880.37	32590.25352	646741.01	4199880.37	31081.51831
646841.01	4199880.37	29387.41990	646941.01	4199880.37	27614.75866
647041.01	4199880.37	25773.03129	647141.01	4199880.37	23954.21581
647241.01	4199880.37	22206.89029	647341.01	4199880.37	20564.55703
644341.01	4199980.37	7968.11129	644441.01	4199980.37	8562.46202
644541.01	4199980.37	9218.57855	644641.01	4199980.37	9944.66602
644741.01	4199980.37	10753.70093	644841.01	4199980.37	11670.43014
644941.01	4199980.37	12745.64931	645041.01	4199980.37	14062.20677
645141.01	4199980.37	15767.72249	645241.01	4199980.37	18034.28749
645341.01	4199980.37	20976.81109	645441.01	4199980.37	24478.78143
645541.01	4199980.37	28044.15285	645641.01	4199980.37	30945.77888
645741.01	4199980.37	32888.55763	645841.01	4199980.37	34523.52509
645941.01	4199980.37	36886.72125	646041.01	4199980.37	39839.19141
646141.01	4199980.37	42251.53188	646241.01	4199980.37	43312.63356

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	43056.19976	646441.01	4199980.37	41906.99953
646541.01	4199980.37	40202.22751	646641.01	4199980.37	38108.57515
646741.01	4199980.37	35754.48698	646841.01	4199980.37	33256.42770
646941.01	4199980.37	30702.23175	647041.01	4199980.37	28217.13770
647141.01	4199980.37	25873.56378	647241.01	4199980.37	23711.00686
647341.01	4199980.37	21744.30859	644341.01	4200080.37	8562.94262
644441.01	4200080.37	9255.14696	644541.01	4200080.37	10029.25848
644641.01	4200080.37	10896.14873	644741.01	4200080.37	11868.86083
644841.01	4200080.37	12968.12093	644941.01	4200080.37	14229.87530
645041.01	4200080.37	15731.61151	645141.01	4200080.37	17617.06172
645241.01	4200080.37	20132.24341	645341.01	4200080.37	23566.79692
645441.01	4200080.37	28027.90038	645541.01	4200080.37	33071.07726
645641.01	4200080.37	37612.85365	645741.01	4200080.37	40861.95027
645841.01	4200080.37	43535.74802	645941.01	4200080.37	47085.80435
646041.01	4200080.37	51194.26676	646141.01	4200080.37	53928.97352
646241.01	4200080.37	54593.10930	646341.01	4200080.37	53428.65094
646441.01	4200080.37	51116.61789	646541.01	4200080.37	48159.15890
646641.01	4200080.37	44675.04706	646741.01	4200080.37	40979.30496
646841.01	4200080.37	37294.52681	646941.01	4200080.37	33788.58615

647041.01	4200080.37	30561.51706	647141.01	4200080.37	27659.00638
647241.01	4200080.37	25074.76163	647341.01	4200080.37	22794.12319
644341.01	4200180.37	9195.42495	644441.01	4200180.37	9995.56749
644541.01	4200180.37	10903.40565	644641.01	4200180.37	11936.55749
644741.01	4200180.37	13115.32423	644841.01	4200180.37	14462.98852
644941.01	4200180.37	16014.22518	645041.01	4200180.37	17828.93754
645141.01	4200180.37	20030.78122	645241.01	4200180.37	22879.44439
645341.01	4200180.37	26830.67595	645441.01	4200180.37	32379.57326
645541.01	4200180.37	39447.41722	645641.01	4200180.37	46671.25357
645741.01	4200180.37	52330.45081	645841.01	4200180.37	56909.46798
645941.01	4200180.37	62464.45762	646041.01	4200180.37	68252.97511
646141.01	4200180.37	71330.52718	646241.01	4200180.37	70783.24142
646341.01	4200180.37	67595.62569	646441.01	4200180.37	63107.17178
646541.01	4200180.37	57675.38326	646641.01	4200180.37	51960.56861
646741.01	4200180.37	46394.16617	646841.01	4200180.37	41255.72916
646941.01	4200180.37	36674.09268	647041.01	4200180.37	32672.70266
647141.01	4200180.37	29217.54474	647241.01	4200180.37	26238.52433
647341.01	4200180.37	23673.24995	644341.01	4200280.37	9871.43123
644441.01	4200280.37	10788.11809	644541.01	4200280.37	11843.71317
644641.01	4200280.37	13064.92398	644741.01	4200280.37	14484.83053
644841.01	4200280.37	16143.69419	644941.01	4200280.37	18089.73700

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	20388.86458	645141.01	4200280.37	23147.85317
645241.01	4200280.37	26592.14366	645341.01	4200280.37	31231.49502
645441.01	4200280.37	37999.90628	645541.01	4200280.37	47729.87786
645641.01	4200280.37	59365.85226	645741.01	4200280.37	69788.20740
645841.01	4200280.37	78246.67878	645941.01	4200280.37	87573.65152
646041.01	4200280.37	95885.23160	646141.01	4200280.37	98262.56290
646241.01	4200280.37	94256.25760	646341.01	4200280.37	86980.80446
646441.01	4200280.37	77859.12227	646541.01	4200280.37	68368.52533
646641.01	4200280.37	59436.19787	646741.01	4200280.37	51554.12963
646841.01	4200280.37	44823.33412	646941.01	4200280.37	39160.88507
647041.01	4200280.37	34431.29323	647141.01	4200280.37	30475.99522
647241.01	4200280.37	27154.82156	647341.01	4200280.37	24347.12699
644341.01	4200380.37	10605.16459	644441.01	4200380.37	11648.53685
644541.01	4200380.37	12865.76686	644641.01	4200380.37	14295.26422
644741.01	4200380.37	15988.07618	644841.01	4200380.37	18010.23151
644941.01	4200380.37	20447.23601	645041.01	4200380.37	23407.91942
645141.01	4200380.37	27038.17249	645241.01	4200380.37	31570.24632
645341.01	4200380.37	37473.11635	645441.01	4200380.37	45964.65562
645541.01	4200380.37	59033.04572	645641.01	4200380.37	77975.24058

645741.01	4200380.37	98074.47007
645941.01	4200380.37	132686.77557
646141.01	4200380.37	141661.96883
646341.01	4200380.37	111887.28878
646541.01	4200380.37	79092.78308
646741.01	4200380.37	55937.54596
646941.01	4200380.37	41074.18311
647141.01	4200380.37	31373.12562
647341.01	4200380.37	24783.82694
644441.01	4200480.37	12600.16725
644641.01	4200480.37	15668.80926
644841.01	4200480.37	20108.55508
645041.01	4200480.37	26905.19440
645241.01	4200480.37	38005.60221
645441.01	4200480.37	57806.51050
645641.01	4200480.37	107728.40574
645841.01	4200480.37	194494.10821
646041.01	4200480.37	239495.62692
646241.01	4200480.37	176531.36457
646441.01	4200480.37	110426.31757
646641.01	4200480.37	71492.56249

645841.01	4200380.37	115701.52025
646041.01	4200380.37	144011.89540
646241.01	4200380.37	128806.77597
646441.01	4200380.37	94514.36981
646641.01	4200380.37	66261.03301
646841.01	4200380.37	47690.30584
647041.01	4200380.37	35731.96396
647241.01	4200380.37	27778.59101
644341.01	4200480.37	11414.85979
644541.01	4200480.37	14004.39126
644741.01	4200480.37	17670.54598
644941.01	4200480.37	23120.52278
645141.01	4200480.37	31733.67027
645341.01	4200480.37	46347.83123
645541.01	4200480.37	76217.30447
645741.01	4200480.37	150739.14182
645941.01	4200480.37	229952.25642
646141.01	4200480.37	214856.13053
646341.01	4200480.37	139943.89114
646541.01	4200480.37	88103.88951
646741.01	4200480.37	59052.59711

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	49591.13800	646941.01	4200480.37	42256.15750
647041.01	4200480.37	36475.12939	647141.01	4200480.37	31835.79023
647241.01	4200480.37	28059.27535	647341.01	4200480.37	24944.24845
644341.01	4200580.37	12280.72966	644441.01	4200580.37	13628.02090
644541.01	4200580.37	15227.59321	644641.01	4200580.37	17153.45495
644741.01	4200580.37	19504.88054	644841.01	4200580.37	22421.71427
644941.01	4200580.37	26104.87301	645041.01	4200580.37	30865.81180
645141.01	4200580.37	37170.43713	645241.01	4200580.37	45727.14097
645341.01	4200580.37	57920.37821	645441.01	4200580.37	75802.49864
645541.01	4200580.37	105396.82619	645641.01	4200580.37	161318.09931
645741.01	4200580.37	270365.88813	645841.01	4200580.37	409098.36124
645941.01	4200580.37	483674.32083	646041.01	4200580.37	439365.05373
646141.01	4200580.37	325506.90252	646241.01	4200580.37	229024.85387
646341.01	4200580.37	164028.18693	646441.01	4200580.37	121707.12119
646541.01	4200580.37	93618.79228	646641.01	4200580.37	74276.42365
646741.01	4200580.37	60463.40514	646841.01	4200580.37	50277.10158
646941.01	4200580.37	42550.86639	647041.01	4200580.37	36547.23031
647141.01	4200580.37	31785.32165	647241.01	4200580.37	27940.99226
647341.01	4200580.37	24789.12235	644341.01	4200680.37	13116.05008

644441.01	4200680.37	14622.57791
644641.01	4200680.37	18635.65930
644841.01	4200680.37	24799.47248
645041.01	4200680.37	35085.89998
645241.01	4200680.37	54619.50593
645441.01	4200680.37	100809.06921
645641.01	4200680.37	281965.37440
645841.01	4200680.37	1417381.61074
646041.01	4200680.37	823330.08981
646241.01	4200680.37	262435.35298
646441.01	4200680.37	124777.86417
646641.01	4200680.37	73912.61375
646841.01	4200680.37	49527.41475
647041.01	4200680.37	35867.41818
647241.01	4200680.37	27386.31860
644341.01	4200780.37	13787.43892
644541.01	4200780.37	17409.86609
644741.01	4200780.37	22866.88043
644941.01	4200780.37	31760.03617
645141.01	4200780.37	48044.91562
645341.01	4200780.37	83778.14464
644541.01	4200680.37	16431.87323
644741.01	4200680.37	21362.94892
644941.01	4200680.37	29223.55705
645141.01	4200680.37	43118.39793
645341.01	4200680.37	71739.42409
645541.01	4200680.37	154540.72248
645741.01	4200680.37	786842.87428
645941.01	4200680.37	1420860.31066
646141.01	4200680.37	437242.80190
646341.01	4200680.37	174435.37397
646541.01	4200680.37	94137.94107
646741.01	4200680.37	59789.43075
646941.01	4200680.37	41818.76834
647141.01	4200680.37	31168.24628
647341.01	4200680.37	24292.52786
644441.01	4200780.37	15427.90298
644641.01	4200780.37	19837.74943
644841.01	4200780.37	26723.56077
645041.01	4200780.37	38552.82787
645241.01	4200780.37	62023.83537
645441.01	4200780.37	121858.39557

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	200618.63327	645641.01	4200780.37	430907.68954
645741.01	4200780.37	1340074.89537	646041.01	4200780.37	990860.83667
646141.01	4200780.37	435334.92995	646241.01	4200780.37	249014.10168
646341.01	4200780.37	163644.26179	646441.01	4200780.37	117062.72400
646541.01	4200780.37	88592.38622	646641.01	4200780.37	69800.00258
646741.01	4200780.37	56699.63244	646841.01	4200780.37	47135.38233
646941.01	4200780.37	39923.63307	647041.01	4200780.37	34340.27385
647141.01	4200780.37	29916.07367	647241.01	4200780.37	26345.61983
647341.01	4200780.37	23417.42221	644341.01	4200880.37	14184.57350
644441.01	4200880.37	15889.30966	644541.01	4200880.37	17948.84969
644641.01	4200880.37	20481.95908	644741.01	4200880.37	23640.18862
644841.01	4200880.37	27664.79365	644941.01	4200880.37	32921.65697
645041.01	4200880.37	39996.04920	645141.01	4200880.37	49896.47790
645241.01	4200880.37	64364.42494	645341.01	4200880.37	86888.61625
645441.01	4200880.37	124962.94408	645541.01	4200880.37	196098.45280
645641.01	4200880.37	340338.18858	645741.01	4200880.37	645364.92268
645841.01	4200880.37	1223703.23235	645941.01	4200880.37	1232477.61137
646041.01	4200880.37	497437.35942	646141.01	4200880.37	279765.87234
646241.01	4200880.37	183272.77039	646341.01	4200880.37	130253.84950

646441.01	4200880.37	97773.44199
646641.01	4200880.37	61654.29524
646841.01	4200880.37	42942.73683
647041.01	4200880.37	31883.32119
647241.01	4200880.37	24774.51626
644341.01	4200980.37	14269.33374
644541.01	4200980.37	18005.64600
644741.01	4200980.37	23601.88163
644941.01	4200980.37	32581.98847
645141.01	4200980.37	48459.90584
645341.01	4200980.37	80685.06694
645541.01	4200980.37	157058.95909
645741.01	4200980.37	290412.84896
645941.01	4200980.37	197452.32612
646141.01	4200980.37	132879.16626
646341.01	4200980.37	88031.23821
646541.01	4200980.37	60004.50254
646741.01	4200980.37	43086.18857
646941.01	4200980.37	32443.79601
647141.01	4200980.37	25360.64510
647341.01	4200980.37	20431.05369
646541.01	4200880.37	76469.97019
646741.01	4200880.37	50957.77670
646941.01	4200880.37	36756.06851
647141.01	4200880.37	27970.54687
647341.01	4200880.37	22129.54405
644441.01	4200980.37	15965.14828
644641.01	4200980.37	20498.35605
644841.01	4200980.37	27519.35003
645041.01	4200980.37	39292.26660
645241.01	4200980.37	61476.28350
645441.01	4200980.37	110377.42446
645641.01	4200980.37	222668.37027
645841.01	4200980.37	288269.10500
646041.01	4200980.37	159363.50506
646241.01	4200980.37	108163.90282
646441.01	4200980.37	72248.17683
646641.01	4200980.37	50510.78962
646841.01	4200980.37	37190.54962
647041.01	4200980.37	28563.78658
647241.01	4200980.37	22686.53413
644341.01	4201080.37	14096.15354

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 ,
L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 ,
L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 ,
L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	15726.39590	644541.01	4201080.37	17681.35542
644641.01	4201080.37	20049.71000	644741.01	4201080.37	22964.46194
644841.01	4201080.37	26596.89813	644941.01	4201080.37	31207.04484
645041.01	4201080.37	37182.83084	645141.01	4201080.37	45091.08448
645241.01	4201080.37	55789.65289	645341.01	4201080.37	70535.52971
645441.01	4201080.37	90625.05812	645541.01	4201080.37	115480.17410
645641.01	4201080.37	137890.10558	645741.01	4201080.37	139862.33972
645841.01	4201080.37	115144.89315	645941.01	4201080.37	90427.33363
646041.01	4201080.37	77420.33852	646141.01	4201080.37	69450.10024
646241.01	4201080.37	62463.31029	646341.01	4201080.37	55950.05227
646441.01	4201080.37	49761.95282	646541.01	4201080.37	44072.73619
646641.01	4201080.37	38991.98705	646741.01	4201080.37	34577.22398
646841.01	4201080.37	30781.00066	646941.01	4201080.37	27512.07920
647041.01	4201080.37	24710.47594	647141.01	4201080.37	22299.01828
647241.01	4201080.37	20218.26245	647341.01	4201080.37	18414.83200
644341.01	4201180.37	13757.94381	644441.01	4201180.37	15295.63961
644541.01	4201180.37	17126.50230	644641.01	4201180.37	19322.29718
644741.01	4201180.37	21980.00624	644841.01	4201180.37	25238.94408
644941.01	4201180.37	29288.72766	645041.01	4201180.37	34391.40233

645141.01	4201180.37	40921.76970	645241.01	4201180.37	49275.72321
645341.01	4201180.37	59730.09357	645441.01	4201180.37	71691.95690
645541.01	4201180.37	82372.33679	645641.01	4201180.37	86049.74457
645741.01	4201180.37	77882.18441	645841.01	4201180.37	63182.76430
645941.01	4201180.37	53877.17911	646041.01	4201180.37	48266.73015
646141.01	4201180.37	43821.51379	646241.01	4201180.37	40285.50218
646341.01	4201180.37	37292.83423	646441.01	4201180.37	34555.42225
646541.01	4201180.37	31926.66171	646641.01	4201180.37	29392.11141
646741.01	4201180.37	26984.17858	646841.01	4201180.37	24745.42554
646941.01	4201180.37	22683.61209	647041.01	4201180.37	20810.82752
647141.01	4201180.37	19121.68474	647241.01	4201180.37	17605.61169
647341.01	4201180.37	16247.12195	644341.01	4201280.37	13327.93624
644441.01	4201280.37	14757.84157	644541.01	4201280.37	16441.44665
644641.01	4201280.37	18434.89704	644741.01	4201280.37	20809.51214
644841.01	4201280.37	23670.84036	644941.01	4201280.37	27151.66119
645041.01	4201280.37	31412.01673	645141.01	4201280.37	36607.13482
645241.01	4201280.37	42772.74920	645341.01	4201280.37	49475.48772
645441.01	4201280.37	55470.39273	645541.01	4201280.37	58441.79575
645641.01	4201280.37	56037.98860	645741.01	4201280.37	48730.38285
645841.01	4201280.37	41134.87677	645941.01	4201280.37	36475.02420
646041.01	4201280.37	33267.49832	646141.01	4201280.37	30819.84743

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	28650.99782	646341.01	4201280.37	26812.11673
646441.01	4201280.37	25212.35742	646541.01	4201280.37	23761.52830
646641.01	4201280.37	22374.87809	646741.01	4201280.37	21031.37578
646841.01	4201280.37	19727.53080	646941.01	4201280.37	18471.44385
647041.01	4201280.37	17272.31478	647141.01	4201280.37	16143.57937
647241.01	4201280.37	15089.93915	647341.01	4201280.37	14112.27632
644341.01	4201380.37	12841.98383	644441.01	4201380.37	14154.93929
644541.01	4201380.37	15678.55455	644641.01	4201380.37	17462.01299
644741.01	4201380.37	19556.75815	644841.01	4201380.37	22038.47145
644941.01	4201380.37	24984.23544	645041.01	4201380.37	28447.96214
645141.01	4201380.37	32388.51143	645241.01	4201380.37	36543.41548
645341.01	4201380.37	40276.94804	645441.01	4201380.37	42499.04281
645541.01	4201380.37	42051.02439	645641.01	4201380.37	38567.09597
645741.01	4201380.37	33466.55215	645841.01	4201380.37	29193.04954
645941.01	4201380.37	26574.34948	646041.01	4201380.37	24743.30634
646141.01	4201380.37	23063.82373	646241.01	4201380.37	21709.17762
646341.01	4201380.37	20457.09508	646441.01	4201380.37	19357.04682
646541.01	4201380.37	18386.96433	646641.01	4201380.37	17501.09727
646741.01	4201380.37	16664.75077	646841.01	4201380.37	15858.18309

646941.01	4201380.37	15072.99865	647041.01	4201380.37	14307.15778
647141.01	4201380.37	13563.05788	647241.01	4201380.37	12846.40109
647341.01	4201380.37	12160.35048	644341.01	4201480.37	12316.62328
644441.01	4201480.37	13508.89666	644541.01	4201480.37	14876.34017
644641.01	4201480.37	16458.34601	644741.01	4201480.37	18296.85770
644841.01	4201480.37	20424.35069	644941.01	4201480.37	22857.03091
645041.01	4201480.37	25543.73419	645141.01	4201480.37	28307.39448
645241.01	4201480.37	30798.19523	645341.01	4201480.37	32449.50572
645441.01	4201480.37	32658.55965	645541.01	4201480.37	31062.07274
645641.01	4201480.37	27990.07765	645741.01	4201480.37	24576.17300
645841.01	4201480.37	21992.53029	645941.01	4201480.37	20385.88445
646041.01	4201480.37	19209.83367	646141.01	4201480.37	18092.06171
646241.01	4201480.37	17146.71826	646341.01	4201480.37	16262.08336
646441.01	4201480.37	15466.71057	646541.01	4201480.37	14757.44528
646641.01	4201480.37	14120.82525	646741.01	4201480.37	13535.08701
646841.01	4201480.37	12981.31151	646941.01	4201480.37	12450.67545
647041.01	4201480.37	11935.76990	647141.01	4201480.37	11432.28246
647241.01	4201480.37	10940.52284	647341.01	4201480.37	10460.15123
644341.01	4201580.37	11768.93552	644441.01	4201580.37	12846.30985
644541.01	4201580.37	14071.59078	644641.01	4201580.37	15472.12306
644741.01	4201580.37	17065.10234	644841.01	4201580.37	18844.06247

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	20764.14436	645041.01	4201580.37	22705.26775
645141.01	4201580.37	24454.59496	645241.01	4201580.37	25697.10889
645341.01	4201580.37	26101.56809	645441.01	4201580.37	25421.00423
645541.01	4201580.37	23658.05117	645641.01	4201580.37	21248.40333
645741.01	4201580.37	18933.81011	645841.01	4201580.37	17277.51417
645941.01	4201580.37	16224.58451	646041.01	4201580.37	15422.14892
646141.01	4201580.37	14648.68396	646241.01	4201580.37	13941.40762
646341.01	4201580.37	13317.43103	646441.01	4201580.37	12725.67224
646541.01	4201580.37	12186.29891	646641.01	4201580.37	11700.24584
646741.01	4201580.37	11255.73656	646841.01	4201580.37	10841.65960
646941.01	4201580.37	10451.90208	647041.01	4201580.37	10080.80125
647141.01	4201580.37	9720.40866	647241.01	4201580.37	9368.91125
647341.01	4201580.37	9024.43232	644341.01	4201680.37	11219.61846
644441.01	4201680.37	12192.93839	644541.01	4201680.37	13286.84249
644641.01	4201680.37	14513.15473	644741.01	4201680.37	15856.67118
644841.01	4201680.37	17280.14483	644941.01	4201680.37	18703.42773
645041.01	4201680.37	19980.63212	645141.01	4201680.37	20933.12530
645241.01	4201680.37	21367.25939	645341.01	4201680.37	21118.56433
645441.01	4201680.37	20131.44158	645541.01	4201680.37	18542.28142

645641.01	4201680.37	16730.68548	645741.01	4201680.37	15125.22425
645841.01	4201680.37	14006.89362	645941.01	4201680.37	13271.23735
646041.01	4201680.37	12707.94351	646141.01	4201680.37	12150.32080
646241.01	4201680.37	11627.56824	646341.01	4201680.37	11136.73062
646441.01	4201680.37	10700.59381	646541.01	4201680.37	10282.15852
646641.01	4201680.37	9899.85754	646741.01	4201680.37	9550.24040
646841.01	4201680.37	9226.08531	646941.01	4201680.37	8922.71400
647041.01	4201680.37	8624.14634	647141.01	4201680.37	8359.79806
647241.01	4201680.37	8095.19622	647341.01	4201680.37	7838.32309
644341.01	4201780.37	10686.00291	644441.01	4201780.37	11559.39127
644541.01	4201780.37	12524.70174	644641.01	4201780.37	13566.13077
644741.01	4201780.37	14655.69015	644841.01	4201780.37	15728.85551
644941.01	4201780.37	16695.79675	645041.01	4201780.37	17442.95475
645141.01	4201780.37	17844.88420	645241.01	4201780.37	17801.67950
645341.01	4201780.37	17257.35657	645441.01	4201780.37	16245.37650
645541.01	4201780.37	14917.89472	645641.01	4201780.37	13552.16895
645741.01	4201780.37	12418.22026	645841.01	4201780.37	11618.02227
645941.01	4201780.37	11084.88202	646041.01	4201780.37	10668.62684
646141.01	4201780.37	10271.90275	646241.01	4201780.37	9877.22633
646341.01	4201780.37	9497.21839	646441.01	4201780.37	9142.33528
646541.01	4201780.37	8812.49026	646641.01	4201780.37	8506.15091

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	8223.66627	646841.01	4201780.37	7965.63372
646941.01	4201780.37	7720.49506	647041.01	4201780.37	7490.83366
647141.01	4201780.37	7272.96634	647241.01	4201780.37	7063.31621
647341.01	4201780.37	6866.88489	644341.01	4201880.37	10167.65671
644441.01	4201880.37	10942.28150	644541.01	4201880.37	11767.49518
644641.01	4201880.37	12620.03927	644741.01	4201880.37	13454.70095
644841.01	4201880.37	14205.52187	644941.01	4201880.37	14798.16118
645041.01	4201880.37	15153.58964	645141.01	4201880.37	15207.88028
645241.01	4201880.37	14918.42557	645341.01	4201880.37	14280.29822
645441.01	4201880.37	13358.04100	645541.01	4201880.37	12262.55905
645641.01	4201880.37	11231.34990	645741.01	4201880.37	10406.51968
645841.01	4201880.37	9831.70792	645941.01	4201880.37	9437.55142
646041.01	4201880.37	9125.56260	646141.01	4201880.37	8830.08132
646241.01	4201880.37	8525.78844	646341.01	4201880.37	8222.39848
646441.01	4201880.37	7941.65208	646541.01	4201880.37	7676.08528
646641.01	4201880.37	7419.93124	646741.01	4201880.37	7187.94890
646841.01	4201880.37	6971.47083	646941.01	4201880.37	6771.58200
647041.01	4201880.37	6583.43908	647141.01	4201880.37	6404.45745
647241.01	4201880.37	6232.33724	647341.01	4201880.37	6067.23549

644341.01	4201980.37	9660.20352
644541.01	4201980.37	11007.86151
644741.01	4201980.37	12263.44740
644941.01	4201980.37	13052.55843
645141.01	4201980.37	13007.25991
645341.01	4201980.37	11960.05908
645541.01	4201980.37	10287.38604
645741.01	4201980.37	8893.44047
645941.01	4201980.37	8160.60548
646141.01	4201980.37	7679.29958
646341.01	4201980.37	7202.90357
646541.01	4201980.37	6754.63964
646741.01	4201980.37	6355.10969
646941.01	4201980.37	6006.87573
647141.01	4201980.37	5700.77237
647341.01	4201980.37	5417.82327
644441.01	4202080.37	9704.43509
644641.01	4202080.37	10718.98966
644841.01	4202080.37	11382.80527
645041.01	4202080.37	11424.48302
645241.01	4202080.37	10745.29679
644441.01	4201980.37	10326.99806
644641.01	4201980.37	11668.32573
644841.01	4201980.37	12742.04849
645041.01	4201980.37	13152.00359
645241.01	4201980.37	12594.37911
645441.01	4201980.37	11152.89059
645641.01	4201980.37	9506.63269
645841.01	4201980.37	8463.99978
646041.01	4201980.37	7914.92745
646241.01	4201980.37	7440.61810
646441.01	4201980.37	6972.43908
646641.01	4201980.37	6548.95889
646841.01	4201980.37	6174.44371
647041.01	4201980.37	5849.94494
647241.01	4201980.37	5555.86850
644341.01	4202080.37	9151.57406
644541.01	4202080.37	10236.87922
644741.01	4202080.37	11112.53434
644941.01	4202080.37	11499.13555
645141.01	4202080.37	11176.66315
645341.01	4202080.37	10155.72315

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	9475.71647	645541.01	4202080.37	8776.84081
645641.01	4202080.37	8166.90618	645741.01	4202080.37	7700.85440
645841.01	4202080.37	7372.39127	645941.01	4202080.37	7134.35385
646041.01	4202080.37	6938.69361	646141.01	4202080.37	6750.91776
646241.01	4202080.37	6561.46839	646341.01	4202080.37	6369.85725
646441.01	4202080.37	6180.81144	646541.01	4202080.37	5999.66127
646641.01	4202080.37	5828.46136	646741.01	4202080.37	5666.94195
646841.01	4202080.37	5514.08191	646941.01	4202080.37	5370.97351
647041.01	4202080.37	5236.98786	647141.01	4202080.37	5111.72934
647241.01	4202080.37	4991.77396	647341.01	4202080.37	4875.82025
644341.01	4202180.37	8633.37751	644441.01	4202180.37	9070.72289
644541.01	4202180.37	9467.82696	644641.01	4202180.37	9797.24163
644741.01	4202180.37	10020.65972	644841.01	4202180.37	10137.97092
644941.01	4202180.37	10124.71340	645041.01	4202180.37	9973.40937
645141.01	4202180.37	9681.29760	645241.01	4202180.37	9264.83928
645341.01	4202180.37	8731.34305	645441.01	4202180.37	8149.13521
645541.01	4202180.37	7582.94054	645641.01	4202180.37	7107.34776
645741.01	4202180.37	6749.21258	645841.01	4202180.37	6492.24808
645941.01	4202180.37	6301.83647	646041.01	4202180.37	6142.58095

646141.01	4202180.37	5991.09687	646241.01	4202180.37	5837.65828
646341.01	4202180.37	5682.50818	646441.01	4202180.37	5526.51151
646541.01	4202180.37	5374.56493	646641.01	4202180.37	5228.62718
646741.01	4202180.37	5091.59871	646841.01	4202180.37	4961.19249
646941.01	4202180.37	4838.36697	647041.01	4202180.37	4723.32427
647141.01	4202180.37	4615.85022	647241.01	4202180.37	4513.80017
647341.01	4202180.37	4415.88112	644341.01	4202280.37	8108.11896
644441.01	4202280.37	8431.71345	644541.01	4202280.37	8707.62408
644641.01	4202280.37	8910.31521	644741.01	4202280.37	9026.66001
644841.01	4202280.37	9042.69188	644941.01	4202280.37	8950.41970
645041.01	4202280.37	8747.91448	645141.01	4202280.37	8442.88430
645241.01	4202280.37	8043.82715	645341.01	4202280.37	7574.73895
645441.01	4202280.37	7084.22543	645541.01	4202280.37	6629.18121
645641.01	4202280.37	6254.97394	645741.01	4202280.37	5972.21267
645841.01	4202280.37	5767.99546	645941.01	4202280.37	5613.41436
646041.01	4202280.37	5483.78572	646141.01	4202280.37	5360.57758
646241.01	4202280.37	5235.53819	646341.01	4202280.37	5106.18231
646441.01	4202280.37	4976.20694	646541.01	4202280.37	4849.17529
646641.01	4202280.37	4726.24372	646741.01	4202280.37	4607.79541
646841.01	4202280.37	4495.58632	646941.01	4202280.37	4389.34049
647041.01	4202280.37	4288.62329	647141.01	4202280.37	4194.12510

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	4106.26657	647341.01	4202280.37	4022.14923
645946.01	4200731.54	2733486.94630	645933.67	4200896.54	805558.79934
645889.89	4200889.80	1125742.65966	645847.24	4200866.23	1486251.42300
645697.97	4200718.07	702831.39488	645704.70	4200712.46	715858.78521

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	8.44894	(14120622)	646506.52	4202111.83	14.05049	(17121905)
645939.20	4200707.16	73.92327	(17021219)	644341.01	4199280.37	11.51703	(15120519)
644441.01	4199280.37	11.90582	(13010518)	644541.01	4199280.37	12.21075	(15120208)
644641.01	4199280.37	12.55790	(13022418)	644741.01	4199280.37	12.91386	(17122817)
644841.01	4199280.37	12.99072	(15120819)	644941.01	4199280.37	13.27035	(14020221)
645041.01	4199280.37	13.63571	(14120120)	645141.01	4199280.37	14.20129	(17122818)
645241.01	4199280.37	14.40879	(17121502)	645341.01	4199280.37	14.33529	(17122819)
645441.01	4199280.37	14.21306	(17011603)	645541.01	4199280.37	13.82140	(17122420)
645641.01	4199280.37	13.56412	(17122707)	645741.01	4199280.37	14.17871	(17021904)

645841.01 4199280.37 13.92218 (17121817) 645941.01 4199280.37 14.14891 (17121920)
646041.01 4199280.37 13.28971 (17120606) 646141.01 4199280.37 13.32710 (17021418)
646241.01 4199280.37 12.49722 (17122220) 646341.01 4199280.37 12.09068 (17020820)
646441.01 4199280.37 11.41497 (17121519) 646541.01 4199280.37 11.46331 (17011220)
646641.01 4199280.37 11.31744 (17012606) 646741.01 4199280.37 10.86522 (17012606)
646841.01 4199280.37 10.24078 (17012606) 646941.01 4199280.37 9.65549 (17122517)
647041.01 4199280.37 9.76603 (17122517) 647141.01 4199280.37 9.56551 (17122517)
647241.01 4199280.37 9.24919 (17120117) 647341.01 4199280.37 9.24694 (17120117)
644341.01 4199380.37 11.94443 (15120519) 644441.01 4199380.37 12.58257 (15120519)
644541.01 4199380.37 13.05713 (13010518) 644641.01 4199380.37 13.37415 (15120208)
644741.01 4199380.37 13.85249 (13022418) 644841.01 4199380.37 14.22169 (15120819)
644941.01 4199380.37 14.37396 (15121522) 645041.01 4199380.37 14.40794 (16012622)
645141.01 4199380.37 15.39615 (17122818) 645241.01 4199380.37 15.50748 (17121502)
645341.01 4199380.37 15.39635 (17122819) 645441.01 4199380.37 15.42049 (17011603)
645541.01 4199380.37 14.85818 (17122706) 645641.01 4199380.37 14.66066 (17122707)
645741.01 4199380.37 15.34805 (17021904) 645841.01 4199380.37 15.16326 (17121920)
645941.01 4199380.37 14.98277 (17121920) 646041.01 4199380.37 14.43456 (17122221)
646141.01 4199380.37 13.98790 (17021418) 646241.01 4199380.37 13.32762 (17122220)
646341.01 4199380.37 12.63637 (17020820) 646441.01 4199380.37 12.34835 (17011220)
646541.01 4199380.37 12.15001 (17012606) 646641.01 4199380.37 11.72937 (17012606)
646741.01 4199380.37 11.03506 (17012606) 646841.01 4199380.37 10.32858 (17012606)
646941.01 4199380.37 10.36970 (17122517) 647041.01 4199380.37 10.18475 (17122517)

647141.01	4199380.37	9.84572	(17120117)	647241.01	4199380.37	9.83362	(17120117)
647341.01	4199380.37	9.53625	(17120117)	644341.01	4199480.37	12.66891	(14022024)
644441.01	4199480.37	13.11435	(15120519)	644541.01	4199480.37	13.82896	(15120519)
644641.01	4199480.37	14.38827	(13010518)	644741.01	4199480.37	14.66779	(15120208)
644841.01	4199480.37	15.21536	(13022418)	644941.01	4199480.37	15.60249	(15120819)
645041.01	4199480.37	15.75048	(14020221)	645141.01	4199480.37	16.21305	(14120120)
645241.01	4199480.37	16.54972	(17122818)	645341.01	4199480.37	16.66023	(17121502)
645441.01	4199480.37	16.71362	(17011603)	645541.01	4199480.37	16.15800	(17122706)
645641.01	4199480.37	15.94042	(17122707)	645741.01	4199480.37	16.70310	(17021904)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	16.61919	(17121920)	645941.01	4199480.37	15.83293	(17121920)
646041.01	4199480.37	15.60259	(17021418)	646141.01	4199480.37	14.50118	(17021418)
646241.01	4199480.37	14.03964	(17020820)	646341.01	4199480.37	13.18605	(17011220)
646441.01	4199480.37	13.03969	(17012606)	646541.01	4199480.37	12.77290	(17012606)
646641.01	4199480.37	11.92573	(17012606)	646741.01	4199480.37	11.19816	(17012606)
646841.01	4199480.37	11.08383	(17122517)	646941.01	4199480.37	10.83657	(17122517)
647041.01	4199480.37	10.51298	(17120117)	647141.01	4199480.37	10.47425	(17120117)
647241.01	4199480.37	10.18742	(17120117)	647341.01	4199480.37	9.68291	(17013019)
644341.01	4199580.37	13.59391	(15120820)	644441.01	4199580.37	13.93769	(14022024)

644541.01 4199580.37 14.50267 (15120519) 644641.01 4199580.37 15.30353 (15120519)
644741.01 4199580.37 15.93607 (13010518) 644841.01 4199580.37 16.32525 (16121304)
644941.01 4199580.37 16.97550 (17122817) 645041.01 4199580.37 17.19974 (15121522)
645141.01 4199580.37 17.31554 (16012622) 645241.01 4199580.37 18.51912 (17122818)
645341.01 4199580.37 18.64416 (17121502) 645441.01 4199580.37 18.33193 (17122819)
645541.01 4199580.37 17.85466 (17011604) 645641.01 4199580.37 17.50081 (17122420)
645741.01 4199580.37 18.28812 (17021904) 645841.01 4199580.37 18.24801 (17121920)
645941.01 4199580.37 16.85898 (17120606) 646041.01 4199580.37 16.86595 (17021418)
646141.01 4199580.37 15.73268 (17122220) 646241.01 4199580.37 14.79650 (17020820)
646341.01 4199580.37 14.39830 (17011220) 646441.01 4199580.37 14.04578 (17012606)
646541.01 4199580.37 13.02437 (17012606) 646641.01 4199580.37 12.07569 (17012606)
646741.01 4199580.37 11.90901 (17122517) 646841.01 4199580.37 11.58498 (17122517)
646941.01 4199580.37 11.25156 (17120117) 647041.01 4199580.37 11.17268 (17120117)
647141.01 4199580.37 10.90127 (17120117) 647241.01 4199580.37 10.35784 (17013019)
647341.01 4199580.37 10.18833 (17012607) 644341.01 4199680.37 14.07197 (17020902)
644441.01 4199680.37 15.06716 (15120820) 644541.01 4199680.37 15.43408 (14022024)
644641.01 4199680.37 16.17468 (15120519) 644741.01 4199680.37 17.08797 (15122801)
644841.01 4199680.37 17.74471 (13010518) 644941.01 4199680.37 18.48983 (13022418)
645041.01 4199680.37 19.11089 (15120819) 645141.01 4199680.37 19.22531 (14020221)
645241.01 4199680.37 20.11184 (17122818) 645341.01 4199680.37 20.57099 (17121502)
645441.01 4199680.37 20.46943 (17122819) 645541.01 4199680.37 19.85563 (17011604)
645641.01 4199680.37 19.39492 (17122420) 645741.01 4199680.37 20.16134 (17021904)

645841.01 4199680.37 20.06445 (17121920) 645941.01 4199680.37 18.54467 (17122221)
646041.01 4199680.37 17.95510 (17021418) 646141.01 4199680.37 16.79447 (17020820)
646241.01 4199680.37 15.79426 (17011220) 646341.01 4199680.37 15.53569 (17012606)
646441.01 4199680.37 14.47690 (17012606) 646541.01 4199680.37 13.09295 (17012606)
646641.01 4199680.37 12.93499 (17122517) 646741.01 4199680.37 12.40788 (17122517)
646841.01 4199680.37 12.13201 (17120117) 646941.01 4199680.37 11.91935 (17120117)
647041.01 4199680.37 11.68207 (17120117) 647141.01 4199680.37 11.12632 (17120117)
647241.01 4199680.37 10.93269 (17012607) 647341.01 4199680.37 10.54791 (17021419)
644341.01 4199780.37 14.49069 (17012723) 644441.01 4199780.37 15.64733 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	16.76782	(15120820)	644641.01	4199780.37	17.25634	(15120820)
644741.01	4199780.37	18.22439	(15120519)	644841.01	4199780.37	19.30099	(15122801)
644941.01	4199780.37	20.16645	(15120208)	645041.01	4199780.37	20.99481	(13022418)
645141.01	4199780.37	21.27636	(15120819)	645241.01	4199780.37	21.66388	(14120120)
645341.01	4199780.37	22.76179	(17122818)	645441.01	4199780.37	22.70570	(17122819)
645541.01	4199780.37	22.33023	(17011603)	645641.01	4199780.37	21.70600	(17122420)
645741.01	4199780.37	22.40045	(17021904)	645841.01	4199780.37	22.08019	(17121920)
645941.01	4199780.37	20.68444	(17122221)	646041.01	4199780.37	19.12456	(17122220)
646141.01	4199780.37	17.95871	(17020820)	646241.01	4199780.37	17.20814	(17011220)

646341.01 4199780.37 16.40839 (17012606) 646441.01 4199780.37 14.47190 (17012606)
646541.01 4199780.37 14.23304 (17122517) 646641.01 4199780.37 13.41623 (17122517)
646741.01 4199780.37 13.12928 (17120117) 646841.01 4199780.37 12.75581 (17120117)
646941.01 4199780.37 12.51915 (17120117) 647041.01 4199780.37 12.08939 (17120117)
647141.01 4199780.37 11.77317 (17012607) 647241.01 4199780.37 11.46626 (17021419)
647341.01 4199780.37 11.38659 (17021419) 644341.01 4199880.37 16.13118 (17121205)
644441.01 4199880.37 16.17669 (16020801) 644541.01 4199880.37 17.51572 (14021403)
644641.01 4199880.37 18.91695 (17020902) 644741.01 4199880.37 19.81505 (15120820)
644841.01 4199880.37 20.79193 (15120519) 644941.01 4199880.37 22.05641 (15122801)
645041.01 4199880.37 23.12681 (15120208) 645141.01 4199880.37 24.16143 (17122817)
645241.01 4199880.37 24.54202 (15121522) 645341.01 4199880.37 25.92347 (17122818)
645441.01 4199880.37 25.99960 (17121502) 645541.01 4199880.37 25.52686 (17011603)
645641.01 4199880.37 24.57085 (17122420) 645741.01 4199880.37 25.11083 (17021904)
645841.01 4199880.37 24.30350 (17121920) 645941.01 4199880.37 22.94462 (17021418)
646041.01 4199880.37 20.92853 (17122220) 646141.01 4199880.37 19.56437 (17011220)
646241.01 4199880.37 18.86457 (17012606) 646341.01 4199880.37 16.49213 (17012606)
646441.01 4199880.37 15.91061 (17122517) 646541.01 4199880.37 14.88449 (17120117)
646641.01 4199880.37 14.35961 (17120117) 646741.01 4199880.37 13.69193 (17120117)
646841.01 4199880.37 13.43633 (17120117) 646941.01 4199880.37 13.19577 (17120117)
647041.01 4199880.37 12.73803 (17012607) 647141.01 4199880.37 12.47022 (17021419)
647241.01 4199880.37 12.33755 (17021419) 647341.01 4199880.37 11.92533 (17013121)
644341.01 4199980.37 16.94498 (17121205) 644441.01 4199980.37 18.48760 (17121205)

644541.01 4199980.37 18.76576 (17121205) 644641.01 4199980.37 19.53897 (14021403)
644741.01 4199980.37 21.46075 (17020902) 644841.01 4199980.37 23.01689 (15120820)
644941.01 4199980.37 24.09560 (15120519) 645041.01 4199980.37 25.87490 (13010518)
645141.01 4199980.37 26.96263 (16121304) 645241.01 4199980.37 28.19510 (15120819)
645341.01 4199980.37 28.64679 (14120120) 645441.01 4199980.37 30.01093 (17121502)
645541.01 4199980.37 29.29638 (17011603) 645641.01 4199980.37 28.19194 (17122420)
645741.01 4199980.37 28.46090 (17021904) 645841.01 4199980.37 26.74456 (17121920)
645941.01 4199980.37 25.07967 (17021418) 646041.01 4199980.37 22.87703 (17020820)
646141.01 4199980.37 21.76271 (17012606) 646241.01 4199980.37 19.42714 (17012606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	18.10917	(17122517)	646441.01	4199980.37	16.87269	(17120117)
646541.01	4199980.37	15.86617	(17120117)	646641.01	4199980.37	14.73167	(17120117)
646741.01	4199980.37	14.51177	(17122517)	646841.01	4199980.37	14.47775	(17120117)
646941.01	4199980.37	13.87559	(17012607)	647041.01	4199980.37	13.60062	(17021419)
647141.01	4199980.37	13.45592	(17021419)	647241.01	4199980.37	13.04480	(17013121)
647341.01	4199980.37	12.70424	(17121518)	644341.01	4200080.37	17.86314	(17011702)
644441.01	4200080.37	19.00726	(17011702)	644541.01	4200080.37	20.64264	(17121205)
644641.01	4200080.37	22.30801	(17121205)	644741.01	4200080.37	22.47768	(16020801)
644841.01	4200080.37	24.73337	(14021403)	644941.01	4200080.37	27.11422	(15120820)

645041.01 4200080.37 28.49425 (15120519) 645141.01 4200080.37 30.94476 (13010518)
645241.01 4200080.37 32.54952 (13022418) 645341.01 4200080.37 33.40999 (15121522)
645441.01 4200080.37 35.15685 (17122818) 645541.01 4200080.37 34.53113 (17122819)
645641.01 4200080.37 32.85816 (17122420) 645741.01 4200080.37 32.61990 (17021904)
645841.01 4200080.37 30.16596 (17122221) 645941.01 4200080.37 27.62890 (17122220)
646041.01 4200080.37 25.44826 (17011220) 646141.01 4200080.37 23.48969 (17012606)
646241.01 4200080.37 21.03361 (17122517) 646341.01 4200080.37 19.48572 (17120117)
646441.01 4200080.37 17.80960 (17120117) 646541.01 4200080.37 16.89036 (17012606)
646641.01 4200080.37 16.04205 (17122517) 646741.01 4200080.37 15.96786 (17120117)
646841.01 4200080.37 15.41045 (17120117) 646941.01 4200080.37 14.92987 (17021419)
647041.01 4200080.37 14.83718 (17021419) 647141.01 4200080.37 14.37058 (17013121)
647241.01 4200080.37 14.05025 (17121518) 647341.01 4200080.37 13.34884 (17121518)
644341.01 4200180.37 18.63461 (17121902) 644441.01 4200180.37 20.20073 (17120623)
644541.01 4200180.37 21.62229 (17011702) 644641.01 4200180.37 23.30206 (17011702)
644741.01 4200180.37 25.85340 (17121205) 644841.01 4200180.37 27.47951 (17121205)
644941.01 4200180.37 29.04157 (14021403) 645041.01 4200180.37 32.49680 (15120820)
645141.01 4200180.37 34.61996 (15120519) 645241.01 4200180.37 37.89010 (13010518)
645341.01 4200180.37 40.07773 (17122817) 645441.01 4200180.37 41.13235 (14120120)
645541.01 4200180.37 41.36195 (17121502) 645641.01 4200180.37 39.07895 (17122420)
645741.01 4200180.37 38.12622 (17121920) 645841.01 4200180.37 35.04600 (17021418)
645941.01 4200180.37 31.18518 (17020820) 646041.01 4200180.37 28.83366 (17012606)
646141.01 4200180.37 25.02787 (17122517) 646241.01 4200180.37 23.05066 (17120117)

646341.01	4200180.37	20.56355	(17013019)	646441.01	4200180.37	18.80545	(17012606)
646541.01	4200180.37	18.24560	(17012606)	646641.01	4200180.37	18.12912	(17122517)
646741.01	4200180.37	17.78961	(17120117)	646841.01	4200180.37	16.90031	(17012607)
646941.01	4200180.37	16.64542	(17021419)	647041.01	4200180.37	16.01777	(17013121)
647141.01	4200180.37	15.62187	(17121518)	647241.01	4200180.37	14.41508	(17121518)
647341.01	4200180.37	12.50815	(17121518)	644341.01	4200280.37	18.98932	(17020424)
644441.01	4200280.37	20.05248	(17121902)	644541.01	4200280.37	22.62052	(17121902)
644641.01	4200280.37	24.76547	(17120623)	644741.01	4200280.37	27.16491	(17120623)
644841.01	4200280.37	29.64276	(17011702)	644941.01	4200280.37	33.62560	(17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	34.85114	(16020801)	645141.01	4200280.37	40.01856	(17020902)
645241.01	4200280.37	43.69313	(15120519)	645341.01	4200280.37	48.18649	(15120208)
645441.01	4200280.37	50.72092	(15121522)	645541.01	4200280.37	52.60173	(17121502)
645641.01	4200280.37	47.76576	(17122420)	645741.01	4200280.37	46.02254	(17121920)
645841.01	4200280.37	40.20972	(17021418)	645941.01	4200280.37	35.48992	(17012606)
646041.01	4200280.37	30.62035	(17012606)	646141.01	4200280.37	28.00594	(17120117)
646241.01	4200280.37	24.69071	(17012607)	646341.01	4200280.37	22.43187	(17021419)
646441.01	4200280.37	22.24800	(17012606)	646541.01	4200280.37	21.20913	(17122517)
646641.01	4200280.37	20.95306	(17120117)	646741.01	4200280.37	19.70465	(17012607)

646841.01 4200280.37 19.15593 (17021419) 646941.01 4200280.37 18.32241 (17121518)
647041.01 4200280.37 17.51612 (17121518) 647141.01 4200280.37 15.42747 (17121518)
647241.01 4200280.37 12.59868 (17121518) 647341.01 4200280.37 11.82350 (17020503)
644341.01 4200380.37 19.44670 (17012721) 644441.01 4200380.37 21.24868 (17012721)
644541.01 4200380.37 23.19019 (17020424) 644641.01 4200380.37 25.42530 (17020424)
644741.01 4200380.37 27.90841 (17121902) 644841.01 4200380.37 31.74290 (17121902)
644941.01 4200380.37 35.81774 (17120623) 645041.01 4200380.37 39.87977 (17011702)
645141.01 4200380.37 46.27016 (17121205) 645241.01 4200380.37 50.95203 (14021403)
645341.01 4200380.37 58.43698 (15120519) 645441.01 4200380.37 66.16664 (13022418)
645541.01 4200380.37 69.10756 (17122818) 645641.01 4200380.37 62.25412 (17011604)
645741.01 4200380.37 55.83207 (17121920) 645841.01 4200380.37 46.63842 (17020820)
645941.01 4200380.37 40.28673 (17012606) 646041.01 4200380.37 35.01911 (17120117)
646141.01 4200380.37 30.43476 (17012607) 646241.01 4200380.37 27.10161 (17013121)
646341.01 4200380.37 25.30529 (17011220) 646441.01 4200380.37 25.29913 (17012606)
646541.01 4200380.37 25.30833 (17120117) 646641.01 4200380.37 23.85226 (17012607)
646741.01 4200380.37 22.82233 (17021419) 646841.01 4200380.37 21.67606 (17121518)
646941.01 4200380.37 19.75339 (17121518) 647041.01 4200380.37 16.12096 (17121518)
647141.01 4200380.37 14.36679 (17021005) 647241.01 4200380.37 13.69301 (17020503)
647341.01 4200380.37 12.73591 (17020503) 644341.01 4200480.37 19.63886 (17121802)
644441.01 4200480.37 21.39358 (17121802) 644541.01 4200480.37 23.21842 (17020501)
644641.01 4200480.37 25.71182 (17020501) 644741.01 4200480.37 29.07411 (17012721)
644841.01 4200480.37 32.46191 (17012721) 644941.01 4200480.37 36.96214 (17020424)

645041.01	4200480.37	42.71474	(17121902)	645141.01	4200480.37	50.56646	(17120623)
645241.01	4200480.37	59.21255	(17121205)	645341.01	4200480.37	70.54462	(17121205)
645441.01	4200480.37	85.99181	(15120519)	645541.01	4200480.37	99.32545	(17122817)
645641.01	4200480.37	89.32036	(14120724)	645741.01	4200480.37	70.84779	(17121920)
645841.01	4200480.37	56.15220	(17020820)	645941.01	4200480.37	46.60205	(17120117)
646041.01	4200480.37	39.52650	(17021419)	646141.01	4200480.37	34.94284	(17121518)
646241.01	4200480.37	30.02382	(17020820)	646341.01	4200480.37	32.47753	(17012606)
646441.01	4200480.37	32.04292	(17122517)	646541.01	4200480.37	30.49076	(17012607)
646641.01	4200480.37	28.47901	(17021419)	646741.01	4200480.37	26.60118	(17121518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	21.96645	(17121518)	646941.01	4200480.37	18.04443	(17021005)
647041.01	4200480.37	16.88904	(17020503)	647141.01	4200480.37	15.56383	(17021401)
647241.01	4200480.37	14.20560	(17021401)	647341.01	4200480.37	13.17853	(17012421)
644341.01	4200580.37	19.39806	(17122606)	644441.01	4200580.37	21.31573	(17122606)
644541.01	4200580.37	23.42605	(17122606)	644641.01	4200580.37	25.74852	(17122606)
644741.01	4200580.37	28.60193	(17121802)	644841.01	4200580.37	32.57697	(17121802)
644941.01	4200580.37	37.05053	(17121802)	645041.01	4200580.37	42.65108	(17020501)
645141.01	4200580.37	51.19467	(17012721)	645241.01	4200580.37	62.11116	(17020424)
645341.01	4200580.37	79.61802	(17121902)	645441.01	4200580.37	107.52042	(17121205)

645541.01 4200580.37 158.99776 (15120519) 645641.01 4200580.37 175.00162 (14120120)
645741.01 4200580.37 102.74218 (17122418) 645841.01 4200580.37 71.83712 (17020820)
645941.01 4200580.37 56.03107 (17121518) 646041.01 4200580.37 46.09710 (17121518)
646141.01 4200580.37 35.68005 (17121920) 646241.01 4200580.37 38.90815 (17012606)
646341.01 4200580.37 42.14565 (17122517) 646441.01 4200580.37 42.32634 (17012607)
646541.01 4200580.37 38.82938 (17013121) 646641.01 4200580.37 33.23468 (17121518)
646741.01 4200580.37 24.24909 (17021005) 646841.01 4200580.37 21.99605 (17021005)
646941.01 4200580.37 19.70290 (17021401) 647041.01 4200580.37 17.85459 (17122722)
647141.01 4200580.37 16.39343 (17012603) 647241.01 4200580.37 15.13908 (17012603)
647341.01 4200580.37 13.87798 (17012603) 644341.01 4200680.37 19.39127 (17122407)
644441.01 4200680.37 21.05954 (17122407) 644541.01 4200680.37 22.97146 (17122407)
644641.01 4200680.37 25.18020 (17122407) 644741.01 4200680.37 27.77297 (17122407)
644841.01 4200680.37 30.85134 (17122407) 644941.01 4200680.37 34.71295 (17122606)
645041.01 4200680.37 40.43560 (17122606) 645141.01 4200680.37 47.66893 (17122606)
645241.01 4200680.37 57.31020 (17122606) 645341.01 4200680.37 70.77848 (17121802)
645441.01 4200680.37 96.73775 (17121802) 645541.01 4200680.37 160.07198 (17122522)
645641.01 4200680.37 218.53349 (14060906) 645741.01 4200680.37 246.25867 (15022608)
645841.01 4200680.37 113.85101 (15021917) 645941.01 4200680.37 67.15533 (17121518)
646041.01 4200680.37 50.56856 (17021219) 646141.01 4200680.37 51.22985 (17020820)
646241.01 4200680.37 57.17738 (17122517) 646341.01 4200680.37 69.18088 (17120117)
646441.01 4200680.37 61.61541 (17121518) 646541.01 4200680.37 38.40684 (17121518)
646641.01 4200680.37 32.32796 (17021401) 646741.01 4200680.37 27.30524 (17122722)

646841.01	4200680.37	24.13379	(17012603)	646941.01	4200680.37	21.16771	(17012603)
647041.01	4200680.37	18.99659	(17011306)	647141.01	4200680.37	17.27381	(17011306)
647241.01	4200680.37	15.86791	(17021219)	647341.01	4200680.37	14.64075	(17021219)
644341.01	4200780.37	18.80781	(17121202)	644441.01	4200780.37	20.38624	(17121202)
644541.01	4200780.37	22.19625	(17121202)	644641.01	4200780.37	24.31508	(17121403)
644741.01	4200780.37	26.79168	(17121403)	644841.01	4200780.37	29.70316	(17121403)
644941.01	4200780.37	33.15818	(17121403)	645041.01	4200780.37	37.31218	(17121403)
645141.01	4200780.37	42.33440	(17120902)	645241.01	4200780.37	48.57001	(17120902)
645341.01	4200780.37	56.76208	(17122407)	645441.01	4200780.37	69.26156	(17122407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	91.79866	(17122606)	645641.01	4200780.37	166.83389	(17021006)
645741.01	4200780.37	191.75588	(14060906)	646041.01	4200780.37	81.16825	(14021403)
646141.01	4200780.37	121.05012	(15021917)	646241.01	4200780.37	179.85803	(15021917)
646341.01	4200780.37	105.98747	(17021005)	646441.01	4200780.37	61.64498	(17012603)
646541.01	4200780.37	44.97963	(17021219)	646641.01	4200780.37	36.79810	(17021219)
646741.01	4200780.37	30.84534	(17021219)	646841.01	4200780.37	26.35883	(17120917)
646941.01	4200780.37	23.11586	(17120917)	647041.01	4200780.37	20.49300	(17120917)
647141.01	4200780.37	18.33365	(17120917)	647241.01	4200780.37	16.52940	(17120917)
647341.01	4200780.37	15.00282	(17120917)	644341.01	4200880.37	18.62349	(17013108)

644441.01 4200880.37 20.13795 (17013108) 644541.01 4200880.37 21.81795 (17013108)
644641.01 4200880.37 23.69680 (17013108) 644741.01 4200880.37 25.78218 (17013108)
644841.01 4200880.37 28.11381 (17013108) 644941.01 4200880.37 30.74152 (17013108)
645041.01 4200880.37 33.79144 (17011619) 645141.01 4200880.37 37.36063 (17013108)
645241.01 4200880.37 41.84992 (17013108) 645341.01 4200880.37 47.84511 (17013108)
645441.01 4200880.37 57.17975 (17122119) 645541.01 4200880.37 71.75173 (17122119)
645641.01 4200880.37 97.21770 (17123022) 645741.01 4200880.37 173.33551 (17122603)
645841.01 4200880.37 167.36936 (14060906) 645941.01 4200880.37 115.14954 (17122521)
646041.01 4200880.37 242.84558 (17120702) 646141.01 4200880.37 210.82155 (17120905)
646241.01 4200880.37 172.79882 (14011919) 646341.01 4200880.37 91.53164 (14120622)
646441.01 4200880.37 63.91281 (14120622) 646541.01 4200880.37 48.35783 (13012418)
646641.01 4200880.37 38.61482 (13012418) 646741.01 4200880.37 31.96973 (16022422)
646841.01 4200880.37 27.30131 (16022422) 646941.01 4200880.37 23.73575 (16022422)
647041.01 4200880.37 20.92944 (16022422) 647141.01 4200880.37 18.66306 (16022422)
647241.01 4200880.37 16.79486 (16022422) 647341.01 4200880.37 15.22913 (16022422)
644341.01 4200980.37 17.97579 (17011619) 644441.01 4200980.37 19.15906 (17012503)
644541.01 4200980.37 20.63066 (17021502) 644641.01 4200980.37 22.19593 (17021502)
644741.01 4200980.37 23.85161 (17021502) 644841.01 4200980.37 25.60687 (17021502)
644941.01 4200980.37 27.63272 (17011524) 645041.01 4200980.37 29.90788 (17011524)
645141.01 4200980.37 32.60324 (17011524) 645241.01 4200980.37 36.24855 (17120103)
645341.01 4200980.37 41.33083 (17120103) 645441.01 4200980.37 48.72020 (17120103)
645541.01 4200980.37 59.80685 (17011524) 645641.01 4200980.37 77.87345 (17012402)

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       645741.01   4200980.37      111.20375  (17020508)              645841.01   4200980.37      163.57144
(17122118)
       645941.01   4200980.37      192.64130  (17011918)              646041.01   4200980.37      136.05279
(17122322)
       646141.01   4200980.37       90.13654  (17122322)              646241.01   4200980.37       69.40553
(16011522)
       646341.01   4200980.37       62.29479  (16011522)              646441.01   4200980.37       53.42910
(15010620)
       646541.01   4200980.37       44.35353  (16120318)              646641.01   4200980.37       37.07665
(13021318)
       646741.01   4200980.37       31.86279  (16012718)              646841.01   4200980.37       27.32064
(15021818)
       646941.01   4200980.37       23.76359  (13012502)              647041.01   4200980.37       20.90574
(13012502)
       647141.01   4200980.37       18.72645  (14120622)              647241.01   4200980.37       17.01005
(14120622)
       647341.01   4200980.37       15.50881  (14120622)              644341.01   4201080.37       17.11218
(17011524)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	18.27227	(17011524)	644541.01	4201080.37	19.41455	(17011524)
644641.01	4201080.37	20.73466	(17012402)	644741.01	4201080.37	22.25790	(17012402)
644841.01	4201080.37	23.73708	(17012402)	644941.01	4201080.37	25.28374	(17011123)
645041.01	4201080.37	27.16272	(17011123)	645141.01	4201080.37	29.50834	(17011123)
645241.01	4201080.37	32.55645	(17011123)	645341.01	4201080.37	36.66764	(17020508)
645441.01	4201080.37	41.96601	(17020508)	645541.01	4201080.37	49.21483	(17122118)
645641.01	4201080.37	59.76014	(17020721)	645741.01	4201080.37	61.09606	(17011108)
645841.01	4201080.37	76.34091	(17021304)	645941.01	4201080.37	90.88657	(17121820)
646041.01	4201080.37	85.56479	(17121323)	646141.01	4201080.37	73.89909	(17012922)

646241.01 4201080.37 60.64263 (17122322) 646341.01 4201080.37 49.19816 (17122322)
646441.01 4201080.37 43.23384 (14021118) 646541.01 4201080.37 38.53644 (16022321)
646641.01 4201080.37 33.91434 (15010620) 646741.01 4201080.37 29.73103 (15010620)
646841.01 4201080.37 26.05051 (16120318) 646941.01 4201080.37 23.11012 (16120318)
647041.01 4201080.37 20.63133 (13021318) 647141.01 4201080.37 18.59798 (16012718)
647241.01 4201080.37 16.94455 (16012718) 647341.01 4201080.37 15.38204 (16012718)
644341.01 4201180.37 16.48885 (17012402) 644441.01 4201180.37 17.40072 (17012402)
644541.01 4201180.37 18.52176 (17011123) 644641.01 4201180.37 19.56891 (17011123)
644741.01 4201180.37 20.75957 (17020508) 644841.01 4201180.37 21.90869 (17020508)
644941.01 4201180.37 23.07798 (17020508) 645041.01 4201180.37 24.32725 (17120521)
645141.01 4201180.37 26.16937 (17011523) 645241.01 4201180.37 28.68098 (17120823)
645341.01 4201180.37 31.98034 (17020721) 645441.01 4201180.37 35.63137 (17020721)
645541.01 4201180.37 36.95308 (17011108) 645641.01 4201180.37 36.74569 (17121417)
645741.01 4201180.37 43.78022 (17021222) 645841.01 4201180.37 52.05262 (17011607)
645941.01 4201180.37 57.70096 (17121905) 646041.01 4201180.37 61.51125 (17120123)
646141.01 4201180.37 56.04944 (17022507) 646241.01 4201180.37 50.04411 (17012922)
646341.01 4201180.37 44.75641 (17013119) 646441.01 4201180.37 39.87913 (17013119)
646541.01 4201180.37 34.33372 (17122322) 646641.01 4201180.37 30.41723 (14021118)
646741.01 4201180.37 27.47238 (16022321) 646841.01 4201180.37 24.54588 (14021424)
646941.01 4201180.37 22.20320 (15010620) 647041.01 4201180.37 19.88368 (15010620)
647141.01 4201180.37 17.88608 (16010222) 647241.01 4201180.37 16.40968 (16120318)
647341.01 4201180.37 14.94286 (16120318) 644341.01 4201280.37 15.75182 (17020508)

644441.01	4201280.37	16.62043	(17020508)	644541.01	4201280.37	17.33012	(17020508)
644641.01	4201280.37	18.20036	(17120521)	644741.01	4201280.37	19.17443	(17120823)
644841.01	4201280.37	20.22453	(17020721)	644941.01	4201280.37	21.36483	(17020721)
645041.01	4201280.37	22.67253	(17020721)	645141.01	4201280.37	24.15379	(17020721)
645241.01	4201280.37	25.19426	(17020721)	645341.01	4201280.37	25.86403	(17011108)
645441.01	4201280.37	24.58153	(17122723)	645541.01	4201280.37	27.13658	(17020407)
645641.01	4201280.37	30.36536	(17121417)	645741.01	4201280.37	34.71663	(17021222)
645841.01	4201280.37	40.96137	(17120719)	645941.01	4201280.37	43.27091	(17021304)
646041.01	4201280.37	46.06662	(17121820)	646141.01	4201280.37	44.70802	(17120123)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	41.38170	(17022507)	646341.01	4201280.37	37.44141	(17123004)
646441.01	4201280.37	35.25921	(17012922)	646541.01	4201280.37	32.71818	(17013119)
646641.01	4201280.37	29.40264	(17013119)	646741.01	4201280.37	24.97871	(17122322)
646841.01	4201280.37	22.83715	(14021118)	646941.01	4201280.37	20.96020	(14021118)
647041.01	4201280.37	18.88700	(16011522)	647141.01	4201280.37	17.31422	(14021424)
647241.01	4201280.37	15.99273	(15010620)	647341.01	4201280.37	14.57476	(15010620)
644341.01	4201380.37	14.86258	(17120521)	644441.01	4201380.37	15.61654	(17120823)
644541.01	4201380.37	16.44114	(17120823)	644641.01	4201380.37	17.41297	(17020721)
644741.01	4201380.37	18.25706	(17020721)	644841.01	4201380.37	18.93922	(17020721)

644941.01 4201380.37 19.44547 (17020721) 645041.01 4201380.37 19.61914 (17011108)
645141.01 4201380.37 20.02067 (17011108) 645241.01 4201380.37 19.16800 (17011108)
645341.01 4201380.37 19.29911 (17121506) 645441.01 4201380.37 21.85273 (17122723)
645541.01 4201380.37 23.97846 (17121417) 645641.01 4201380.37 25.53124 (17012906)
645741.01 4201380.37 28.38698 (17021222) 645841.01 4201380.37 33.68936 (17120719)
645941.01 4201380.37 35.88575 (17021304) 646041.01 4201380.37 35.48268 (17121905)
646141.01 4201380.37 36.27595 (17121820) 646241.01 4201380.37 34.83229 (17012707)
646341.01 4201380.37 32.67130 (17022507) 646441.01 4201380.37 30.34606 (17123004)
646541.01 4201380.37 28.80887 (17012922) 646641.01 4201380.37 26.70708 (17013119)
646741.01 4201380.37 25.37126 (17013119) 646841.01 4201380.37 22.40416 (17122322)
646941.01 4201380.37 19.45424 (14022421) 647041.01 4201380.37 17.93528 (14021118)
647141.01 4201380.37 16.71650 (14021118) 647241.01 4201380.37 15.24304 (16011522)
647341.01 4201380.37 14.08788 (14021424) 644341.01 4201480.37 14.22920 (17120823)
644441.01 4201480.37 15.15455 (17020721) 644541.01 4201480.37 15.80273 (17020721)
644641.01 4201480.37 16.18344 (17020721) 644741.01 4201480.37 16.27873 (17020721)
644841.01 4201480.37 16.54670 (17011108) 644941.01 4201480.37 16.53315 (17011108)
645041.01 4201480.37 15.82625 (17011108) 645141.01 4201480.37 15.05016 (17022120)
645241.01 4201480.37 15.87984 (17011124) 645341.01 4201480.37 17.95836 (17122723)
645441.01 4201480.37 19.21796 (17013102) 645541.01 4201480.37 21.56490 (17121417)
645641.01 4201480.37 22.33514 (17012906) 645741.01 4201480.37 24.01241 (17020906)
645841.01 4201480.37 28.29266 (17120719) 645941.01 4201480.37 29.56229 (17021304)
646041.01 4201480.37 27.94482 (17021304) 646141.01 4201480.37 30.02116 (17121820)

646241.01	4201480.37	29.71741	(17120123)	646341.01	4201480.37	28.18960	(17012707)
646441.01	4201480.37	26.93220	(17022507)	646541.01	4201480.37	25.41099	(17011918)
646641.01	4201480.37	23.84612	(17012922)	646741.01	4201480.37	22.98370	(17012922)
646841.01	4201480.37	21.77003	(17013119)	646941.01	4201480.37	20.02506	(17013119)
647041.01	4201480.37	17.50814	(17122322)	647141.01	4201480.37	15.65366	(14022421)
647241.01	4201480.37	14.57072	(13121418)	647341.01	4201480.37	13.74685	(14021118)
644341.01	4201580.37	13.82952	(17020721)	644441.01	4201580.37	14.05910	(17020721)
644541.01	4201580.37	14.19742	(17011108)	644641.01	4201580.37	14.37587	(17011108)
644741.01	4201580.37	14.21527	(17011108)	644841.01	4201580.37	13.57863	(17011108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	12.85690	(17120620)	645041.01	4201580.37	13.41315	(17022120)
645141.01	4201580.37	13.92086	(17120101)	645241.01	4201580.37	14.97880	(17121506)
645341.01	4201580.37	16.70523	(17122723)	645441.01	4201580.37	17.55149	(17020407)
645541.01	4201580.37	19.41505	(17121417)	645641.01	4201580.37	19.78313	(17012906)
645741.01	4201580.37	21.03639	(17020906)	645841.01	4201580.37	24.09396	(17120719)
645941.01	4201580.37	24.68299	(17122703)	646041.01	4201580.37	25.46732	(17021304)
646141.01	4201580.37	24.99467	(17121905)	646241.01	4201580.37	25.96105	(17121820)
646341.01	4201580.37	25.23136	(17120123)	646441.01	4201580.37	23.52822	(17012707)
646541.01	4201580.37	22.88393	(17022507)	646641.01	4201580.37	21.75248	(17011918)

646741.01 4201580.37 20.28794 (17010908) 646841.01 4201580.37 19.96095 (17012922)
646941.01 4201580.37 18.60345 (17013119) 647041.01 4201580.37 17.86192 (17013119)
647141.01 4201580.37 16.07588 (17122322) 647241.01 4201580.37 13.95284 (17122322)
647341.01 4201580.37 12.94820 (13012503) 644341.01 4201680.37 12.56608 (17011108)
644441.01 4201680.37 12.71323 (17011108) 644541.01 4201680.37 12.52945 (17011108)
644641.01 4201680.37 11.97294 (17011108) 644741.01 4201680.37 11.18173 (17120620)
644841.01 4201680.37 11.61212 (17120221) 644941.01 4201680.37 12.06679 (17020405)
645041.01 4201680.37 12.49799 (17022120) 645141.01 4201680.37 13.00915 (17011124)
645241.01 4201680.37 14.04830 (17121506) 645341.01 4201680.37 15.32749 (17122723)
645441.01 4201680.37 16.03112 (17020101) 645541.01 4201680.37 17.53444 (17121417)
645641.01 4201680.37 17.72306 (17012906) 645741.01 4201680.37 18.71641 (17020906)
645841.01 4201680.37 21.13309 (17021222) 645941.01 4201680.37 21.65340 (17011706)
646041.01 4201680.37 22.74889 (17021304) 646141.01 4201680.37 20.26017 (17120204)
646241.01 4201680.37 22.27256 (17121905) 646341.01 4201680.37 22.05665 (17121820)
646441.01 4201680.37 21.62981 (17120123) 646541.01 4201680.37 20.10187 (17012707)
646641.01 4201680.37 19.85015 (17022507) 646741.01 4201680.37 18.91594 (17011918)
646841.01 4201680.37 17.80543 (17123004) 646941.01 4201680.37 17.41448 (17012922)
647041.01 4201680.37 16.38085 (17012922) 647141.01 4201680.37 15.81478 (17013119)
647241.01 4201680.37 14.72204 (17013119) 647341.01 4201680.37 13.17825 (17122322)
644341.01 4201780.37 11.22064 (17011108) 644441.01 4201780.37 10.75022 (17011108)
644541.01 4201780.37 9.93322 (17011108) 644641.01 4201780.37 10.18699 (17120620)
644741.01 4201780.37 10.55900 (17120221) 644841.01 4201780.37 10.94742 (17020405)

644941.01 4201780.37 11.34061 (17022120) 645041.01 4201780.37 11.72823 (17120101)
645141.01 4201780.37 12.29009 (17121506) 645241.01 4201780.37 13.47021 (17122723)
645341.01 4201780.37 14.01881 (17122723) 645441.01 4201780.37 14.89064 (17121921)
645541.01 4201780.37 15.91737 (17121417) 645641.01 4201780.37 16.02582 (17012906)
645741.01 4201780.37 16.86416 (17020906) 645841.01 4201780.37 18.74597 (17021222)
645941.01 4201780.37 19.53293 (17120719) 646041.01 4201780.37 19.97431 (17021304)
646141.01 4201780.37 19.06174 (17021304) 646241.01 4201780.37 19.12683 (17121905)
646341.01 4201780.37 19.83319 (17121820) 646441.01 4201780.37 19.15298 (17011707)
646541.01 4201780.37 18.72169 (17120123) 646641.01 4201780.37 17.56497 (17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	17.43541	(17022507)	646841.01	4201780.37	16.63619	(17011918)
646941.01	4201780.37	15.83216	(17123004)	647041.01	4201780.37	15.24713	(17012922)
647141.01	4201780.37	14.75241	(17012922)	647241.01	4201780.37	13.92301	(17013119)
647341.01	4201780.37	13.42398	(17013119)	644341.01	4201880.37	9.10488	(17011108)
644441.01	4201880.37	8.86158	(17120620)	644541.01	4201880.37	9.31534	(17120620)
644641.01	4201880.37	9.65200	(17120221)	644741.01	4201880.37	9.98860	(17020405)
644841.01	4201880.37	10.34882	(17022120)	644941.01	4201880.37	10.67154	(17120101)
645041.01	4201880.37	11.06843	(17011124)	645141.01	4201880.37	11.74506	(17121506)
645241.01	4201880.37	12.71774	(17122723)	645341.01	4201880.37	13.06384	(17013102)

645441.01 4201880.37 13.88629 (17121921) 645541.01 4201880.37 14.50191 (17121417)
645641.01 4201880.37 14.58316 (17012906) 645741.01 4201880.37 15.29584 (17020906)
645841.01 4201880.37 16.77755 (17021222) 645941.01 4201880.37 17.70879 (17120719)
646041.01 4201880.37 17.58748 (17011607) 646141.01 4201880.37 17.89574 (17021304)
646241.01 4201880.37 16.00622 (17120204) 646341.01 4201880.37 17.61937 (17121905)
646441.01 4201880.37 17.76005 (17121820) 646541.01 4201880.37 17.15141 (17120123)
646641.01 4201880.37 16.64899 (17012707) 646741.01 4201880.37 15.71910 (17022507)
646841.01 4201880.37 15.51495 (17022507) 646941.01 4201880.37 14.79680 (17011918)
647041.01 4201880.37 14.20890 (17123004) 647141.01 4201880.37 13.50592 (17010908)
647241.01 4201880.37 13.29309 (17012922) 647341.01 4201880.37 12.27914 (17012922)
644341.01 4201980.37 8.20838 (17120620) 644441.01 4201980.37 8.54473 (17120620)
644541.01 4201980.37 8.86403 (17120221) 644641.01 4201980.37 9.15784 (17020405)
644741.01 4201980.37 9.48867 (17022120) 644841.01 4201980.37 9.72906 (17120101)
644941.01 4201980.37 10.01887 (17011124) 645041.01 4201980.37 10.45207 (17121506)
645141.01 4201980.37 11.24495 (17122723) 645241.01 4201980.37 11.88643 (17122723)
645341.01 4201980.37 12.20195 (17013102) 645441.01 4201980.37 12.97566 (17121417)
645541.01 4201980.37 13.30961 (17121417) 645641.01 4201980.37 13.41317 (17012906)
645741.01 4201980.37 14.05411 (17020906) 645841.01 4201980.37 15.14826 (17021222)
645941.01 4201980.37 16.10328 (17120719) 646041.01 4201980.37 15.75818 (17122703)
646141.01 4201980.37 16.48434 (17021304) 646241.01 4201980.37 15.07234 (17021304)
646341.01 4201980.37 15.41582 (17121905) 646441.01 4201980.37 15.84159 (17121820)
646541.01 4201980.37 15.72562 (17121820) 646641.01 4201980.37 15.48952 (17120123)

646741.01 4201980.37 14.91073 (17012707) 646841.01 4201980.37 14.20097 (17022507)
646941.01 4201980.37 13.93971 (17022507) 647041.01 4201980.37 13.29271 (17011918)
647141.01 4201980.37 12.85056 (17123004) 647241.01 4201980.37 12.18729 (17010908)
647341.01 4201980.37 12.00856 (17012922) 644341.01 4202080.37 7.87892 (17010204)
644441.01 4202080.37 8.17273 (17120221) 644541.01 4202080.37 8.43301 (17020405)
644641.01 4202080.37 8.73679 (17022120) 644741.01 4202080.37 8.91264 (17010205)
644841.01 4202080.37 9.24425 (17120101) 644941.01 4202080.37 9.59155 (17011124)
645041.01 4202080.37 10.08390 (17121506) 645141.01 4202080.37 10.80997 (17122723)
645241.01 4202080.37 11.05915 (17122723) 645341.01 4202080.37 11.44369 (17020101)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	12.21647	(17121417)	645541.01	4202080.37	12.28607	(17121417)
645641.01	4202080.37	12.40199	(17012906)	645741.01	4202080.37	12.96874	(17020906)
645841.01	4202080.37	13.73152	(17021222)	645941.01	4202080.37	14.64169	(17120719)
646041.01	4202080.37	14.45391	(17011706)	646141.01	4202080.37	14.98066	(17021304)
646241.01	4202080.37	14.48492	(17021304)	646341.01	4202080.37	13.14446	(17120204)
646441.01	4202080.37	14.49611	(17121905)	646541.01	4202080.37	14.63869	(17121820)
646641.01	4202080.37	14.07509	(17011707)	646741.01	4202080.37	13.99417	(17120123)
646841.01	4202080.37	13.39851	(17012707)	646941.01	4202080.37	12.90666	(17022507)
647041.01	4202080.37	12.59289	(17022507)	647141.01	4202080.37	12.01773	(17120701)

647241.01 4202080.37 11.67629 (17123004) 647341.01 4202080.37 11.04182 (17010908)
644341.01 4202180.37 7.56211 (17120221) 644441.01 4202180.37 7.79624 (17020405)
644541.01 4202180.37 8.07556 (17022120) 644641.01 4202180.37 8.24592 (17010205)
644741.01 4202180.37 8.54026 (17120101) 644841.01 4202180.37 8.80579 (17011124)
644941.01 4202180.37 9.09247 (17121506) 645041.01 4202180.37 9.61327 (17122723)
645141.01 4202180.37 10.28137 (17122723) 645241.01 4202180.37 10.44347 (17121822)
645341.01 4202180.37 10.84118 (17020101) 645441.01 4202180.37 11.48777 (17121417)
645541.01 4202180.37 11.35131 (17121417) 645641.01 4202180.37 11.51226 (17012906)
645741.01 4202180.37 12.03515 (17020906) 645841.01 4202180.37 12.51080 (17021222)
645941.01 4202180.37 13.34012 (17120719) 646041.01 4202180.37 13.51840 (17120719)
646141.01 4202180.37 13.58171 (17011607) 646241.01 4202180.37 13.73005 (17021304)
646341.01 4202180.37 12.26665 (17021304) 646441.01 4202180.37 12.82853 (17121905)
646541.01 4202180.37 13.27250 (17121905) 646641.01 4202180.37 13.33319 (17121820)
646741.01 4202180.37 12.82142 (17011707) 646841.01 4202180.37 12.64368 (17120123)
646941.01 4202180.37 12.07547 (17012707) 647041.01 4202180.37 11.79456 (17022507)
647141.01 4202180.37 11.44321 (17022507) 647241.01 4202180.37 10.95981 (17120701)
647341.01 4202180.37 10.66600 (17123004) 644341.01 4202280.37 7.23347 (17020405)
644441.01 4202280.37 7.48480 (17022120) 644541.01 4202280.37 7.64461 (17010205)
644641.01 4202280.37 7.90896 (17120101) 644741.01 4202280.37 8.07573 (17011124)
644841.01 4202280.37 8.37920 (17011124) 644941.01 4202280.37 8.82960 (17121506)
645041.01 4202280.37 9.37051 (17122723) 645141.01 4202280.37 9.67655 (17122723)
645241.01 4202280.37 9.92104 (17121822) 645341.01 4202280.37 10.30188 (17121921)

645441.01	4202280.37	10.79086	(17121417)	645541.01	4202280.37	10.50377	(17121417)
645641.01	4202280.37	10.72768	(17012906)	645741.01	4202280.37	11.21725	(17020906)
645841.01	4202280.37	11.44700	(17021222)	645941.01	4202280.37	12.30105	(17021222)
646041.01	4202280.37	12.67084	(17120719)	646141.01	4202280.37	12.29810	(17122703)
646241.01	4202280.37	12.85319	(17021304)	646341.01	4202280.37	11.98013	(17021304)
646441.01	4202280.37	11.09483	(17120204)	646541.01	4202280.37	12.24222	(17121905)
646641.01	4202280.37	12.31134	(17121820)	646741.01	4202280.37	12.03856	(17121820)
646841.01	4202280.37	11.85298	(17120123)	646941.01	4202280.37	11.51518	(17012707)
647041.01	4202280.37	10.90791	(17012707)	647141.01	4202280.37	10.83093	(17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	10.45178	(17022507)	647341.01	4202280.37	10.04740	(17120701)
645946.01	4200731.54	77.53374	(17013023)	645933.67	4200896.54	130.62746	(15021917)
645889.89	4200889.80	131.92738	(15021917)	645847.24	4200866.23	136.59373	(15021917)
645697.97	4200718.07	190.56507	(14060906)	645704.70	4200712.46	200.59819	(14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	8.39575	(14120622)	646506.52	4202111.83	14.34682	(17121905)
645939.20	4200707.16	76.32171	(17021219)	644341.01	4199280.37	11.60621	(15120519)
644441.01	4199280.37	12.02579	(13010518)	644541.01	4199280.37	12.34500	(15120208)
644641.01	4199280.37	12.72155	(13022418)	644741.01	4199280.37	13.09200	(17122817)
644841.01	4199280.37	13.15830	(15120819)	644941.01	4199280.37	13.48746	(14020221)
645041.01	4199280.37	13.89071	(14120120)	645141.01	4199280.37	14.48980	(17122818)
645241.01	4199280.37	14.72946	(17121502)	645341.01	4199280.37	14.67668	(17122819)
645441.01	4199280.37	14.57579	(17011603)	645541.01	4199280.37	14.14972	(17122420)
645641.01	4199280.37	13.93928	(17122707)	645741.01	4199280.37	14.52739	(17021904)

645841.01 4199280.37 14.37468 (17121817) 645941.01 4199280.37 14.61730 (17121920)
646041.01 4199280.37 13.69928 (17120606) 646141.01 4199280.37 13.77519 (17021418)
646241.01 4199280.37 12.87360 (17122220) 646341.01 4199280.37 12.50205 (17020820)
646441.01 4199280.37 11.79676 (17121519) 646541.01 4199280.37 11.88652 (17011220)
646641.01 4199280.37 11.73887 (17012606) 646741.01 4199280.37 11.31046 (17012606)
646841.01 4199280.37 10.58732 (17012606) 646941.01 4199280.37 9.98513 (17122517)
647041.01 4199280.37 10.13789 (17122517) 647141.01 4199280.37 9.89506 (17122517)
647241.01 4199280.37 9.58234 (17120117) 647341.01 4199280.37 9.55606 (17120117)
644341.01 4199380.37 12.06218 (15120519) 644441.01 4199380.37 12.68717 (15120519)
644541.01 4199380.37 13.19586 (13010518) 644641.01 4199380.37 13.52715 (15120208)
644741.01 4199380.37 14.04016 (13022418) 644841.01 4199380.37 14.44062 (15120819)
644941.01 4199380.37 14.61752 (15121522) 645041.01 4199380.37 14.67540 (16012622)
645141.01 4199380.37 15.71901 (17122818) 645241.01 4199380.37 15.85012 (17121502)
645341.01 4199380.37 15.75350 (17122819) 645441.01 4199380.37 15.81226 (17011603)
645541.01 4199380.37 15.25213 (17122706) 645641.01 4199380.37 15.06931 (17122707)
645741.01 4199380.37 15.73250 (17021904) 645841.01 4199380.37 15.51526 (17121920)
645941.01 4199380.37 15.50807 (17121920) 646041.01 4199380.37 14.83989 (17122221)
646141.01 4199380.37 14.50496 (17021418) 646241.01 4199380.37 13.78970 (17122220)
646341.01 4199380.37 13.11897 (17020820) 646441.01 4199380.37 12.75291 (17011220)
646541.01 4199380.37 12.56328 (17012606) 646641.01 4199380.37 12.22381 (17012606)
646741.01 4199380.37 11.48632 (17012606) 646841.01 4199380.37 10.61012 (17122517)
646941.01 4199380.37 10.78090 (17122517) 647041.01 4199380.37 10.57644 (17122517)

647141.01	4199380.37	10.21929	(17120117)	647241.01	4199380.37	10.19061	(17120117)
647341.01	4199380.37	9.79635	(17120117)	644341.01	4199480.37	12.77780	(14022024)
644441.01	4199480.37	13.25339	(15120519)	644541.01	4199480.37	13.95301	(15120519)
644641.01	4199480.37	14.55003	(13010518)	644741.01	4199480.37	14.84216	(15120208)
644841.01	4199480.37	15.42841	(13022418)	644941.01	4199480.37	15.85083	(15120819)
645041.01	4199480.37	16.04428	(14020221)	645141.01	4199480.37	16.54937	(14120120)
645241.01	4199480.37	16.92603	(17122818)	645341.01	4199480.37	17.07770	(17121502)
645441.01	4199480.37	17.12400	(17011603)	645541.01	4199480.37	16.60584	(17011604)
645641.01	4199480.37	16.42374	(17122420)	645741.01	4199480.37	17.12991	(17021904)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	17.03169	(17121920)	645941.01	4199480.37	16.42177	(17121920)
646041.01	4199480.37	16.08143	(17122221)	646141.01	4199480.37	15.08639	(17021418)
646241.01	4199480.37	14.50269	(17020820)	646341.01	4199480.37	13.60594	(17121519)
646441.01	4199480.37	13.54548	(17011220)	646541.01	4199480.37	13.29321	(17012606)
646641.01	4199480.37	12.46531	(17012606)	646741.01	4199480.37	11.60998	(17012606)
646841.01	4199480.37	11.53244	(17122517)	646941.01	4199480.37	11.29359	(17122517)
647041.01	4199480.37	10.93140	(17120117)	647141.01	4199480.37	10.88731	(17120117)
647241.01	4199480.37	10.49798	(17120117)	647341.01	4199480.37	9.99428	(17013019)
644341.01	4199580.37	13.69524	(15120820)	644441.01	4199580.37	14.07013	(14022024)

644541.01 4199580.37 14.66885 (15120519) 644641.01 4199580.37 15.45250 (15120519)
644741.01 4199580.37 16.12626 (13010518) 644841.01 4199580.37 16.57234 (16121304)
644941.01 4199580.37 17.26293 (17122817) 645041.01 4199580.37 17.52688 (15121522)
645141.01 4199580.37 17.67609 (16012622) 645241.01 4199580.37 18.95404 (17122818)
645341.01 4199580.37 19.11729 (17121502) 645441.01 4199580.37 18.84117 (17122819)
645541.01 4199580.37 18.36757 (17011604) 645641.01 4199580.37 18.05558 (17122420)
645741.01 4199580.37 18.76591 (17021904) 645841.01 4199580.37 18.73505 (17121920)
645941.01 4199580.37 17.34639 (17121920) 646041.01 4199580.37 17.41923 (17021418)
646141.01 4199580.37 16.23512 (17122220) 646241.01 4199580.37 15.36417 (17020820)
646341.01 4199580.37 14.88849 (17011220) 646441.01 4199580.37 14.56739 (17012606)
646541.01 4199580.37 13.62917 (17012606) 646641.01 4199580.37 12.62082 (17012606)
646741.01 4199580.37 12.39024 (17122517) 646841.01 4199580.37 12.10990 (17122517)
646941.01 4199580.37 11.71846 (17120117) 647041.01 4199580.37 11.65084 (17120117)
647141.01 4199580.37 11.27420 (17120117) 647241.01 4199580.37 10.74249 (17012607)
647341.01 4199580.37 10.51628 (17012607) 644341.01 4199680.37 14.19302 (17020902)
644441.01 4199680.37 15.19644 (15120820) 644541.01 4199680.37 15.59686 (14022024)
644641.01 4199680.37 16.37619 (15120519) 644741.01 4199680.37 17.29628 (15122801)
644841.01 4199680.37 17.97016 (13010518) 644941.01 4199680.37 18.80671 (13022418)
645041.01 4199680.37 19.47249 (15120819) 645141.01 4199680.37 19.63165 (14020221)
645241.01 4199680.37 20.55836 (17122818) 645341.01 4199680.37 21.06648 (17121502)
645441.01 4199680.37 21.01867 (17122819) 645541.01 4199680.37 20.40975 (17011604)
645641.01 4199680.37 20.01169 (17122420) 645741.01 4199680.37 20.70154 (17021904)

645841.01 4199680.37 20.64346 (17121920) 645941.01 4199680.37 19.05737 (17120606)
646041.01 4199680.37 18.62499 (17021418) 646141.01 4199680.37 17.35257 (17122220)
646241.01 4199680.37 16.21609 (17011220) 646341.01 4199680.37 16.02920 (17012606)
646441.01 4199680.37 15.12556 (17012606) 646541.01 4199680.37 13.74694 (17012606)
646641.01 4199680.37 13.44578 (17122517) 646741.01 4199680.37 12.99756 (17122517)
646841.01 4199680.37 12.65331 (17120117) 646941.01 4199680.37 12.47131 (17120117)
647041.01 4199680.37 12.13215 (17120117) 647141.01 4199680.37 11.57581 (17012607)
647241.01 4199680.37 11.30630 (17012607) 647341.01 4199680.37 10.97139 (17021419)
644341.01 4199780.37 14.59042 (17012723) 644441.01 4199780.37 15.76957 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	16.93328	(15120820)	644641.01	4199780.37	17.42447	(14022024)
644741.01	4199780.37	18.47289	(15120519)	644841.01	4199780.37	19.55852	(15122801)
644941.01	4199780.37	20.50103	(15120208)	645041.01	4199780.37	21.38198	(13022418)
645141.01	4199780.37	21.70518	(15120819)	645241.01	4199780.37	22.13798	(14120120)
645341.01	4199780.37	23.37136	(17122818)	645441.01	4199780.37	23.26363	(17122819)
645541.01	4199780.37	23.00809	(17011603)	645641.01	4199780.37	22.39077	(17122420)
645741.01	4199780.37	23.01854	(17021904)	645841.01	4199780.37	22.77224	(17121920)
645941.01	4199780.37	21.26969	(17122221)	646041.01	4199780.37	19.64980	(17122220)
646141.01	4199780.37	18.63285	(17020820)	646241.01	4199780.37	17.82356	(17011220)

646341.01 4199780.37 17.08274 (17012606) 646441.01 4199780.37 15.21060 (17012606)
646541.01 4199780.37 14.77240 (17122517) 646641.01 4199780.37 14.06836 (17122517)
646741.01 4199780.37 13.70848 (17120117) 646841.01 4199780.37 13.39166 (17120117)
646941.01 4199780.37 13.06379 (17120117) 647041.01 4199780.37 12.49665 (17012607)
647141.01 4199780.37 12.20255 (17012607) 647241.01 4199780.37 11.95978 (17021419)
647341.01 4199780.37 11.78173 (17021419) 644341.01 4199880.37 16.22483 (17121205)
644441.01 4199880.37 16.27836 (16020801) 644541.01 4199880.37 17.67895 (14021403)
644641.01 4199880.37 19.11021 (17020902) 644741.01 4199880.37 19.99906 (15120820)
644841.01 4199880.37 21.10471 (15120519) 644941.01 4199880.37 22.42072 (13010518)
645041.01 4199880.37 23.54411 (15120208) 645141.01 4199880.37 24.67600 (17122817)
645241.01 4199880.37 25.12487 (15121522) 645341.01 4199880.37 26.57477 (17122818)
645441.01 4199880.37 26.74972 (17121502) 645541.01 4199880.37 26.26202 (17011603)
645641.01 4199880.37 25.33104 (17122420) 645741.01 4199880.37 25.82800 (17021904)
645841.01 4199880.37 25.13303 (17121920) 645941.01 4199880.37 23.64579 (17021418)
646041.01 4199880.37 21.65602 (17122220) 646141.01 4199880.37 20.10079 (17011220)
646241.01 4199880.37 19.53664 (17012606) 646341.01 4199880.37 17.30815 (17012606)
646441.01 4199880.37 16.48121 (17122517) 646541.01 4199880.37 15.41184 (17122517)
646641.01 4199880.37 15.00526 (17120117) 646741.01 4199880.37 14.41998 (17120117)
646841.01 4199880.37 14.09685 (17120117) 646941.01 4199880.37 13.57215 (17120117)
647041.01 4199880.37 13.23748 (17012607) 647141.01 4199880.37 13.04574 (17021419)
647241.01 4199880.37 12.76512 (17021419) 647341.01 4199880.37 12.35326 (17013121)
644341.01 4199980.37 17.08064 (17121205) 644441.01 4199980.37 18.62787 (17121205)

644541.01 4199980.37 18.87531 (17121205) 644641.01 4199980.37 19.75316 (14021403)
644741.01 4199980.37 21.71952 (17020902) 644841.01 4199980.37 23.27880 (15120820)
644941.01 4199980.37 24.49933 (15120519) 645041.01 4199980.37 26.36152 (13010518)
645141.01 4199980.37 27.53763 (16121304) 645241.01 4199980.37 28.87783 (15120819)
645341.01 4199980.37 29.33917 (14120120) 645441.01 4199980.37 30.78972 (17121502)
645541.01 4199980.37 30.06392 (17011603) 645641.01 4199980.37 29.03761 (17122420)
645741.01 4199980.37 29.30717 (17021904) 645841.01 4199980.37 27.73785 (17121920)
645941.01 4199980.37 25.99407 (17021418) 646041.01 4199980.37 23.69779 (17020820)
646141.01 4199980.37 22.37482 (17012606) 646241.01 4199980.37 20.32332 (17012606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	18.71555	(17122517)	646441.01	4199980.37	17.39854	(17120117)
646541.01	4199980.37	16.59058	(17120117)	646641.01	4199980.37	15.55594	(17120117)
646741.01	4199980.37	15.23023	(17120117)	646841.01	4199980.37	14.98364	(17120117)
646941.01	4199980.37	14.46651	(17012607)	647041.01	4199980.37	14.27322	(17021419)
647141.01	4199980.37	13.90972	(17021419)	647241.01	4199980.37	13.49452	(17013121)
647341.01	4199980.37	13.16851	(17121518)	644341.01	4200080.37	17.99790	(17011702)
644441.01	4200080.37	19.14464	(17011702)	644541.01	4200080.37	20.83696	(17121205)
644641.01	4200080.37	22.49595	(17121205)	644741.01	4200080.37	22.66999	(16020801)
644841.01	4200080.37	25.03001	(14021403)	644941.01	4200080.37	27.49393	(15120820)

645041.01	4200080.37	29.03234	(15120519)	645141.01	4200080.37	31.60091 (13010518)
645241.01	4200080.37	33.34906	(13022418)	645341.01	4200080.37	34.31325 (15121522)
645441.01	4200080.37	36.19137	(17122818)	645541.01	4200080.37	35.55880 (17122819)
645641.01	4200080.37	33.80391	(17122420)	645741.01	4200080.37	33.63502 (17021904)
645841.01	4200080.37	30.85325	(17122221)	645941.01	4200080.37	28.46034 (17122220)
646041.01	4200080.37	26.18507	(17011220)	646141.01	4200080.37	24.44815 (17012606)
646241.01	4200080.37	21.67786	(17122517)	646341.01	4200080.37	20.08788 (17120117)
646441.01	4200080.37	18.63873	(17120117)	646541.01	4200080.37	17.23831 (17012607)
646641.01	4200080.37	16.72090	(17122517)	646741.01	4200080.37	16.65970 (17120117)
646841.01	4200080.37	15.97053	(17012607)	646941.01	4200080.37	15.72032 (17021419)
647041.01	4200080.37	15.30470	(17021419)	647141.01	4200080.37	14.87411 (17121518)
647241.01	4200080.37	14.51356	(17121518)	647341.01	4200080.37	13.54071 (17121518)
644341.01	4200180.37	18.78135	(17121902)	644441.01	4200180.37	20.36968 (17120623)
644541.01	4200180.37	21.81916	(17011702)	644641.01	4200180.37	23.50247 (17011702)
644741.01	4200180.37	26.14560	(17121205)	644841.01	4200180.37	27.72964 (17121205)
644941.01	4200180.37	29.47866	(14021403)	645041.01	4200180.37	33.05910 (15120820)
645141.01	4200180.37	35.36839	(15120519)	645241.01	4200180.37	38.81104 (13010518)
645341.01	4200180.37	41.19992	(17122817)	645441.01	4200180.37	42.27312 (14120120)
645541.01	4200180.37	42.72699	(17121502)	645641.01	4200180.37	40.15009 (17122420)
645741.01	4200180.37	39.14955	(17021904)	645841.01	4200180.37	36.00750 (17021418)
645941.01	4200180.37	32.22445	(17020820)	646041.01	4200180.37	29.79361 (17012606)
646141.01	4200180.37	25.70769	(17122517)	646241.01	4200180.37	23.76135 (17120117)

646341.01	4200180.37	21.37932	(17120117)	646441.01	4200180.37	19.63167	(17012606)
646541.01	4200180.37	18.53101	(17122517)	646641.01	4200180.37	18.64909	(17120117)
646741.01	4200180.37	17.95142	(17120117)	646841.01	4200180.37	17.54696	(17021419)
646941.01	4200180.37	17.11488	(17013121)	647041.01	4200180.37	16.72799	(17121518)
647141.01	4200180.37	16.01324	(17121518)	647241.01	4200180.37	14.42424	(17121518)
647341.01	4200180.37	12.22659	(17121518)	644341.01	4200280.37	19.16082	(17020424)
644441.01	4200280.37	20.22001	(17121902)	644541.01	4200280.37	22.83620	(17121902)
644641.01	4200280.37	25.02197	(17120623)	644741.01	4200280.37	27.44374	(17120623)
644841.01	4200280.37	29.95863	(17011702)	644941.01	4200280.37	34.09302	(17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	35.31210	(16020801)	645141.01	4200280.37	40.82814	(17020902)
645241.01	4200280.37	44.79926	(15120519)	645341.01	4200280.37	49.61452	(15120208)
645441.01	4200280.37	52.29301	(15121522)	645541.01	4200280.37	54.16572	(17121502)
645641.01	4200280.37	49.19605	(17011604)	645741.01	4200280.37	47.20440	(17121920)
645841.01	4200280.37	41.58909	(17021418)	645941.01	4200280.37	36.34158	(17012606)
646041.01	4200280.37	32.03635	(17012606)	646141.01	4200280.37	28.87293	(17120117)
646241.01	4200280.37	25.54377	(17012607)	646341.01	4200280.37	23.22280	(17021419)
646441.01	4200280.37	22.77649	(17012606)	646541.01	4200280.37	21.96817	(17122517)
646641.01	4200280.37	21.37294	(17120117)	646741.01	4200280.37	20.06215	(17021419)

646841.01 4200280.37 19.60953 (17013121) 646941.01 4200280.37 19.09044 (17121518)
647041.01 4200280.37 17.70202 (17121518) 647141.01 4200280.37 15.11973 (17121518)
647241.01 4200280.37 12.58817 (17022807) 647341.01 4200280.37 12.17521 (17020503)
644341.01 4200380.37 19.62551 (17012721) 644441.01 4200380.37 21.47340 (17012721)
644541.01 4200380.37 23.43477 (17020424) 644641.01 4200380.37 25.72181 (17020424)
644741.01 4200380.37 28.24060 (17121902) 644841.01 4200380.37 32.15362 (17121902)
644941.01 4200380.37 36.31343 (17120623) 645041.01 4200380.37 40.44068 (17011702)
645141.01 4200380.37 47.07882 (17121205) 645241.01 4200380.37 52.19509 (17020902)
645341.01 4200380.37 60.23676 (15120519) 645441.01 4200380.37 68.51420 (13022418)
645541.01 4200380.37 71.45011 (17122818) 645641.01 4200380.37 64.24822 (17011603)
645741.01 4200380.37 57.47658 (17121920) 645841.01 4200380.37 48.05839 (17020820)
645941.01 4200380.37 41.81366 (17012606) 646041.01 4200380.37 36.11830 (17120117)
646141.01 4200380.37 31.61860 (17012607) 646241.01 4200380.37 28.10415 (17021419)
646341.01 4200380.37 26.81550 (17012606) 646441.01 4200380.37 26.20926 (17122517)
646541.01 4200380.37 26.30037 (17120117) 646641.01 4200380.37 24.23143 (17012607)
646741.01 4200380.37 23.31349 (17013121) 646841.01 4200380.37 22.31244 (17121518)
646941.01 4200380.37 19.48855 (17121518) 647041.01 4200380.37 15.34413 (17011721)
647141.01 4200380.37 14.82468 (17020503) 647241.01 4200380.37 13.95772 (17020503)
647341.01 4200380.37 12.96346 (17021401) 644341.01 4200480.37 19.85459 (17121802)
644441.01 4200480.37 21.66409 (17121802) 644541.01 4200480.37 23.49572 (17020501)
644641.01 4200480.37 26.06862 (17020501) 644741.01 4200480.37 29.48166 (17012721)
644841.01 4200480.37 32.97184 (17012721) 644941.01 4200480.37 37.57408 (17020424)

645041.01	4200480.37	43.49997	(17121902)	645141.01	4200480.37	51.61136	(17120623)
645241.01	4200480.37	60.83032	(17121205)	645341.01	4200480.37	72.05349	(17121205)
645441.01	4200480.37	89.51369	(14022024)	645541.01	4200480.37	104.02922	(17122817)
645641.01	4200480.37	91.91548	(17011603)	645741.01	4200480.37	72.85437	(17121920)
645841.01	4200480.37	58.06001	(17020820)	645941.01	4200480.37	48.10808	(17120117)
646041.01	4200480.37	40.96422	(17012607)	646141.01	4200480.37	36.18994	(17121518)
646241.01	4200480.37	31.89327	(17020820)	646341.01	4200480.37	34.43465	(17012606)
646441.01	4200480.37	33.67778	(17120117)	646541.01	4200480.37	31.12795	(17012607)
646641.01	4200480.37	29.25500	(17013121)	646741.01	4200480.37	26.69267	(17121518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	20.82421	(17121518)	646941.01	4200480.37	18.64480	(17021005)
647041.01	4200480.37	17.13068	(17020503)	647141.01	4200480.37	15.77234	(17021401)
647241.01	4200480.37	14.36455	(17012421)	647341.01	4200480.37	13.38470	(17122722)
644341.01	4200580.37	19.61728	(17122606)	644441.01	4200580.37	21.59957	(17122606)
644541.01	4200580.37	23.78783	(17122606)	644641.01	4200580.37	26.20227	(17122606)
644741.01	4200580.37	29.03100	(17121802)	644841.01	4200580.37	33.17327	(17121802)
644941.01	4200580.37	37.84457	(17121802)	645041.01	4200580.37	43.61918	(17020501)
645141.01	4200580.37	52.47521	(17012721)	645241.01	4200580.37	63.86973	(17020424)
645341.01	4200580.37	82.29053	(17121902)	645441.01	4200580.37	112.70709	(17121205)

645541.01	4200580.37	169.14424	(15120820)	645641.01	4200580.37	172.90536	(14120120)
645741.01	4200580.37	104.52087	(17122418)	645841.01	4200580.37	74.21623	(17020820)
645941.01	4200580.37	57.81700	(17121518)	646041.01	4200580.37	48.39360	(17121518)
646141.01	4200580.37	37.11729	(17121518)	646241.01	4200580.37	42.76894	(17012606)
646341.01	4200580.37	46.62977	(17122517)	646441.01	4200580.37	43.82447	(17012607)
646541.01	4200580.37	40.04221	(17121518)	646641.01	4200580.37	31.62010	(17121518)
646741.01	4200580.37	25.04925	(17021005)	646841.01	4200580.37	22.39551	(17021401)
646941.01	4200580.37	19.87110	(17012421)	647041.01	4200580.37	18.12407	(17122722)
647141.01	4200580.37	16.67273	(17012603)	647241.01	4200580.37	15.26822	(17012603)
647341.01	4200580.37	13.90342	(17012603)	644341.01	4200680.37	19.70573	(17122407)
644441.01	4200680.37	21.43862	(17122407)	644541.01	4200680.37	23.43087	(17122407)
644641.01	4200680.37	25.74016	(17122407)	644741.01	4200680.37	28.46020	(17122407)
644841.01	4200680.37	31.70079	(17122407)	644941.01	4200680.37	35.65551	(17122407)
645041.01	4200680.37	41.42176	(17122606)	645141.01	4200680.37	49.13254	(17122606)
645241.01	4200680.37	59.49221	(17122606)	645341.01	4200680.37	74.05726	(17122606)
645441.01	4200680.37	101.61050	(17121802)	645541.01	4200680.37	166.70440	(17012721)
645641.01	4200680.37	259.44202	(14060906)	645741.01	4200680.37	249.22634	(14112116)
645841.01	4200680.37	115.18094	(15021917)	645941.01	4200680.37	71.52390	(17121518)
646041.01	4200680.37	52.18706	(17021219)	646141.01	4200680.37	54.09898	(17020820)
646241.01	4200680.37	68.72377	(17012606)	646341.01	4200680.37	74.60737	(17021419)
646441.01	4200680.37	60.85599	(17121518)	646541.01	4200680.37	39.37723	(17021005)
646641.01	4200680.37	32.11158	(17021401)	646741.01	4200680.37	27.80980	(17012603)

646841.01	4200680.37	24.24015	(17012603)	646941.01	4200680.37	21.30025	(17011306)
647041.01	4200680.37	19.23525	(17011306)	647141.01	4200680.37	17.51297	(17021219)
647241.01	4200680.37	16.06438	(17021219)	647341.01	4200680.37	14.76463	(17021219)
644341.01	4200780.37	19.17538	(17121202)	644441.01	4200780.37	20.82937	(17121403)
644541.01	4200780.37	22.75314	(17121403)	644641.01	4200780.37	24.98474	(17121403)
644741.01	4200780.37	27.59954	(17121403)	644841.01	4200780.37	30.69127	(17121403)
644941.01	4200780.37	34.38505	(17121403)	645041.01	4200780.37	38.85994	(17121403)
645141.01	4200780.37	44.31516	(17120902)	645241.01	4200780.37	51.12337	(17120902)
645341.01	4200780.37	59.65570	(17120902)	645441.01	4200780.37	72.17642	(17120902)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	95.21793	(17122119)	645641.01	4200780.37	161.98985	(17021006)
645741.01	4200780.37	232.17889	(14060906)	646041.01	4200780.37	75.23471	(17021006)
646141.01	4200780.37	133.13412	(15021917)	646241.01	4200780.37	218.35822	(14112116)
646341.01	4200780.37	102.83063	(17021401)	646441.01	4200780.37	60.34002	(17021219)
646541.01	4200780.37	45.68262	(17021219)	646641.01	4200780.37	36.70236	(17021219)
646741.01	4200780.37	30.67006	(17120917)	646841.01	4200780.37	26.39213	(17120917)
646941.01	4200780.37	23.06827	(17120917)	647041.01	4200780.37	20.40921	(17120917)
647141.01	4200780.37	18.23509	(17120917)	647241.01	4200780.37	16.42670	(17120917)
647341.01	4200780.37	14.90130	(17120917)	644341.01	4200880.37	19.05349	(17013108)

644441.01 4200880.37 20.62845 (17013108) 644541.01 4200880.37 22.37920 (17013108)
644641.01 4200880.37 24.34060 (17013108) 644741.01 4200880.37 26.52024 (17013108)
644841.01 4200880.37 29.01431 (17011619) 644941.01 4200880.37 31.96511 (17011619)
645041.01 4200880.37 35.23032 (17011619) 645141.01 4200880.37 38.93916 (17011619)
645241.01 4200880.37 43.33044 (17011619) 645341.01 4200880.37 49.05766 (17013108)
645441.01 4200880.37 57.57087 (17013108) 645541.01 4200880.37 71.60427 (17122119)
645641.01 4200880.37 95.54597 (17122119) 645741.01 4200880.37 164.97647 (17122603)
645841.01 4200880.37 200.86476 (14060906) 645941.01 4200880.37 114.21629 (15021917)
646041.01 4200880.37 267.98848 (15021917) 646141.01 4200880.37 152.21202 (15021223)
646241.01 4200880.37 96.49827 (14011919) 646341.01 4200880.37 75.53765 (16012718)
646441.01 4200880.37 58.55778 (13012502) 646541.01 4200880.37 46.39256 (14120622)
646641.01 4200880.37 37.66436 (14120622) 646741.01 4200880.37 31.54594 (13012418)
646841.01 4200880.37 26.95073 (13012418) 646941.01 4200880.37 23.45596 (16022422)
647041.01 4200880.37 20.76102 (16022422) 647141.01 4200880.37 18.56224 (16022422)
647241.01 4200880.37 16.73643 (16022422) 647341.01 4200880.37 15.19792 (16022422)
644341.01 4200980.37 18.32417 (17011619) 644441.01 4200980.37 19.65330 (17021502)
644541.01 4200980.37 21.19575 (17021502) 644641.01 4200980.37 22.80890 (17021502)
644741.01 4200980.37 24.49887 (17021502) 644841.01 4200980.37 26.57038 (17011524)
644941.01 4200980.37 28.77574 (17011524) 645041.01 4200980.37 31.08616 (17011524)
645141.01 4200980.37 33.72176 (17011524) 645241.01 4200980.37 37.09679 (17011524)
645341.01 4200980.37 41.72789 (17011524) 645441.01 4200980.37 48.50618 (17011524)
645541.01 4200980.37 59.27310 (17012402) 645641.01 4200980.37 77.55011 (17011123)

645741.01 4200980.37 109.72608 (17020508) 645841.01 4200980.37 160.96188 (17020721)
645941.01 4200980.37 194.34153 (17011918) 646041.01 4200980.37 142.05699 (17122322)
646141.01 4200980.37 92.38797 (17122322) 646241.01 4200980.37 70.03102 (16011522)
646341.01 4200980.37 56.58295 (15010620) 646441.01 4200980.37 48.08704 (15010620)
646541.01 4200980.37 41.38329 (16120318) 646641.01 4200980.37 35.39127 (13021318)
646741.01 4200980.37 30.80291 (16012718) 646841.01 4200980.37 26.74806 (16012718)
646941.01 4200980.37 23.37408 (15021818) 647041.01 4200980.37 20.67109 (13012502)
647141.01 4200980.37 18.40510 (14120622) 647241.01 4200980.37 16.79187 (14120622)
647341.01 4200980.37 15.36258 (14120622) 644341.01 4201080.37 17.56837 (17011524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	18.75501	(17011524)	644541.01	4201080.37	19.90623	(17011524)
644641.01	4201080.37	21.49895	(17012402)	644741.01	4201080.37	23.07341	(17012402)
644841.01	4201080.37	24.63461	(17011123)	644941.01	4201080.37	26.34411	(17011123)
645041.01	4201080.37	28.12880	(17011123)	645141.01	4201080.37	30.24995	(17020508)
645241.01	4201080.37	33.12202	(17020508)	645341.01	4201080.37	36.94950	(17020508)
645441.01	4201080.37	41.36958	(17120521)	645541.01	4201080.37	49.28447	(17122118)
645641.01	4201080.37	59.25054	(17020721)	645741.01	4201080.37	58.61168	(17011108)
645841.01	4201080.37	78.11604	(17021304)	645941.01	4201080.37	94.00536	(17121820)
646041.01	4201080.37	88.60637	(17121323)	646141.01	4201080.37	76.87183	(17012922)

646241.01 4201080.37 63.03640 (17013119) 646341.01 4201080.37 48.77362 (17122322)
646441.01 4201080.37 42.00287 (14021118) 646541.01 4201080.37 36.61652 (16011522)
646641.01 4201080.37 32.51075 (15010620) 646741.01 4201080.37 28.70935 (15010620)
646841.01 4201080.37 25.29749 (16120318) 646941.01 4201080.37 22.62349 (16120318)
647041.01 4201080.37 20.25295 (13021318) 647141.01 4201080.37 18.27171 (16012718)
647241.01 4201080.37 16.72679 (16012718) 647341.01 4201080.37 15.24483 (16012718)
644341.01 4201180.37 16.92758 (17012402) 644441.01 4201180.37 17.93176 (17011123)
644541.01 4201180.37 19.12128 (17011123) 644641.01 4201180.37 20.28903 (17020508)
644741.01 4201180.37 21.52182 (17020508) 644841.01 4201180.37 22.59022 (17020508)
644941.01 4201180.37 23.79420 (17120521) 645041.01 4201180.37 25.23263 (17120823)
645141.01 4201180.37 26.98965 (17120823) 645241.01 4201180.37 29.24970 (17020721)
645341.01 4201180.37 32.55783 (17020721) 645441.01 4201180.37 35.19607 (17020721)
645541.01 4201180.37 36.13716 (17011108) 645641.01 4201180.37 38.02409 (17121417)
645741.01 4201180.37 44.64293 (17021222) 645841.01 4201180.37 53.28769 (17122703)
645941.01 4201180.37 59.08029 (17121905) 646041.01 4201180.37 63.55746 (17120123)
646141.01 4201180.37 58.24850 (17022507) 646241.01 4201180.37 51.66365 (17012922)
646341.01 4201180.37 46.21990 (17013119) 646441.01 4201180.37 39.96220 (17013119)
646541.01 4201180.37 32.91541 (17122322) 646641.01 4201180.37 29.71239 (14021118)
646741.01 4201180.37 26.67490 (16022321) 646841.01 4201180.37 23.92540 (14021424)
646941.01 4201180.37 21.70867 (15010620) 647041.01 4201180.37 19.52383 (15010620)
647141.01 4201180.37 17.60780 (16010222) 647241.01 4201180.37 16.17462 (16120318)
647341.01 4201180.37 14.78288 (16120318) 644341.01 4201280.37 16.23375 (17020508)

644441.01 4201280.37 17.09709 (17020508) 644541.01 4201280.37 17.80585 (17120521)
644641.01 4201280.37 18.84574 (17120521) 644741.01 4201280.37 19.96238 (17120823)
644841.01 4201280.37 21.21022 (17020721) 644941.01 4201280.37 22.31990 (17020721)
645041.01 4201280.37 23.42023 (17020721) 645141.01 4201280.37 24.48711 (17020721)
645241.01 4201280.37 24.93610 (17011108) 645341.01 4201280.37 25.53752 (17011108)
645441.01 4201280.37 25.27511 (17122723) 645541.01 4201280.37 28.02385 (17020407)
645641.01 4201280.37 31.52101 (17121417) 645741.01 4201280.37 35.35971 (17021222)
645841.01 4201280.37 42.33996 (17120719) 645941.01 4201280.37 44.89064 (17021304)
646041.01 4201280.37 47.44067 (17121820) 646141.01 4201280.37 46.34226 (17120123)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	42.89766	(17022507)	646341.01	4201280.37	38.69559	(17123004)
646441.01	4201280.37	36.06790	(17012922)	646541.01	4201280.37	32.98713	(17013119)
646641.01	4201280.37	28.79962	(17122322)	646741.01	4201280.37	24.49947	(14022421)
646841.01	4201280.37	22.44578	(14021118)	646941.01	4201280.37	20.53408	(14021118)
647041.01	4201280.37	18.54594	(16011522)	647141.01	4201280.37	17.03935	(14021424)
647241.01	4201280.37	15.76448	(15010620)	647341.01	4201280.37	14.40514	(15010620)
644341.01	4201380.37	15.30910	(17120521)	644441.01	4201380.37	16.16818	(17120823)
644541.01	4201380.37	16.98248	(17120823)	644641.01	4201380.37	18.13367	(17020721)
644741.01	4201380.37	18.94060	(17020721)	644841.01	4201380.37	19.46170	(17020721)

644941.01 4201380.37 19.67115 (17020721) 645041.01 4201380.37 19.99304 (17011108)
645141.01 4201380.37 19.92155 (17011108) 645241.01 4201380.37 18.47935 (17011108)
645341.01 4201380.37 19.86352 (17121506) 645441.01 4201380.37 22.63811 (17122723)
645541.01 4201380.37 24.62315 (17121921) 645641.01 4201380.37 26.54768 (17121417)
645741.01 4201380.37 28.92493 (17020906) 645841.01 4201380.37 34.73734 (17120719)
645941.01 4201380.37 37.03917 (17021304) 646041.01 4201380.37 36.40332 (17121905)
646141.01 4201380.37 37.55899 (17121820) 646241.01 4201380.37 36.02146 (17012707)
646341.01 4201380.37 33.74120 (17022507) 646441.01 4201380.37 31.14894 (17123004)
646541.01 4201380.37 29.33841 (17012922) 646641.01 4201380.37 26.97000 (17013119)
646741.01 4201380.37 25.13175 (17013119) 646841.01 4201380.37 21.94269 (17122322)
646941.01 4201380.37 19.14205 (14022421) 647041.01 4201380.37 17.69815 (14021118)
647141.01 4201380.37 16.47009 (14021118) 647241.01 4201380.37 15.03873 (16011522)
647341.01 4201380.37 13.91400 (14021424) 644341.01 4201480.37 14.73151 (17020721)
644441.01 4201480.37 15.69260 (17020721) 644541.01 4201480.37 16.30414 (17020721)
644641.01 4201480.37 16.56312 (17020721) 644741.01 4201480.37 16.75019 (17011108)
644841.01 4201480.37 16.88338 (17011108) 644941.01 4201480.37 16.55362 (17011108)
645041.01 4201480.37 15.45362 (17011108) 645141.01 4201480.37 15.72677 (17022120)
645241.01 4201480.37 16.47179 (17011124) 645341.01 4201480.37 18.44235 (17122723)
645441.01 4201480.37 19.98888 (17122723) 645541.01 4201480.37 22.19690 (17121417)
645641.01 4201480.37 23.04167 (17012906) 645741.01 4201480.37 24.88109 (17020906)
645841.01 4201480.37 29.10057 (17120719) 645941.01 4201480.37 30.38275 (17011607)
646041.01 4201480.37 29.02660 (17021304) 646141.01 4201480.37 30.93426 (17121905)

646241.01 4201480.37 30.58049 (17120123) 646341.01 4201480.37 29.07910 (17012707)
646441.01 4201480.37 27.65408 (17022507) 646541.01 4201480.37 25.84770 (17123004)
646641.01 4201480.37 24.20952 (17012922) 646741.01 4201480.37 22.95556 (17012922)
646841.01 4201480.37 21.70769 (17013119) 646941.01 4201480.37 19.72823 (17013119)
647041.01 4201480.37 17.17725 (17122322) 647141.01 4201480.37 15.44537 (14022421)
647241.01 4201480.37 14.41286 (14021118) 647341.01 4201480.37 13.58949 (14021118)
644341.01 4201580.37 14.20591 (17020721) 644441.01 4201580.37 14.34299 (17020721)
644541.01 4201580.37 14.63007 (17011108) 644641.01 4201580.37 14.67507 (17011108)
644741.01 4201580.37 14.29810 (17011108) 644841.01 4201580.37 13.38631 (17011108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	13.37179	(17120221)	645041.01	4201580.37	13.97270	(17022120)
645141.01	4201580.37	14.50118	(17120101)	645241.01	4201580.37	15.44201	(17121506)
645341.01	4201580.37	17.27455	(17122723)	645441.01	4201580.37	18.12219	(17013102)
645541.01	4201580.37	20.05077	(17121417)	645641.01	4201580.37	20.43927	(17012906)
645741.01	4201580.37	21.79570	(17020906)	645841.01	4201580.37	24.79085	(17021222)
645941.01	4201580.37	25.45221	(17122703)	646041.01	4201580.37	26.37237	(17021304)
646141.01	4201580.37	25.65065	(17121905)	646241.01	4201580.37	26.76518	(17121820)
646341.01	4201580.37	25.97692	(17120123)	646441.01	4201580.37	24.12379	(17012707)
646541.01	4201580.37	23.35047	(17022507)	646641.01	4201580.37	22.02935	(17011918)

646741.01 4201580.37 20.47938 (17010908) 646841.01 4201580.37 19.98313 (17012922)
646941.01 4201580.37 18.61458 (17013119) 647041.01 4201580.37 17.70781 (17013119)
647141.01 4201580.37 15.87221 (17122322) 647241.01 4201580.37 13.76822 (14022421)
647341.01 4201580.37 12.81816 (13012503) 644341.01 4201680.37 12.91752 (17011108)
644441.01 4201680.37 12.97532 (17011108) 644541.01 4201680.37 12.64133 (17011108)
644641.01 4201680.37 11.88779 (17011108) 644741.01 4201680.37 11.56590 (17120620)
644841.01 4201680.37 12.03790 (17120221) 644941.01 4201680.37 12.52432 (17022120)
645041.01 4201680.37 12.96850 (17022120) 645141.01 4201680.37 13.51290 (17011124)
645241.01 4201680.37 14.57111 (17121506) 645341.01 4201680.37 15.92362 (17122723)
645441.01 4201680.37 16.55291 (17020101) 645541.01 4201680.37 18.15439 (17121417)
645641.01 4201680.37 18.33181 (17012906) 645741.01 4201680.37 19.38853 (17020906)
645841.01 4201680.37 21.78349 (17021222) 645941.01 4201680.37 22.42879 (17120719)
646041.01 4201680.37 23.47746 (17021304) 646141.01 4201680.37 20.84916 (17120204)
646241.01 4201680.37 22.94740 (17121905) 646341.01 4201680.37 22.71376 (17121820)
646441.01 4201680.37 22.19615 (17120123) 646541.01 4201680.37 20.45075 (17012707)
646641.01 4201680.37 20.14247 (17022507) 646741.01 4201680.37 19.09785 (17011918)
646841.01 4201680.37 17.78641 (17123004) 646941.01 4201680.37 17.45665 (17012922)
647041.01 4201680.37 16.25080 (17012922) 647141.01 4201680.37 15.74087 (17013119)
647241.01 4201680.37 14.56718 (17013119) 647341.01 4201680.37 13.01802 (17122322)
644341.01 4201780.37 11.34244 (17011108) 644441.01 4201780.37 10.72895 (17011108)
644541.01 4201780.37 9.91352 (17020803) 644641.01 4201780.37 10.49978 (17120620)
644741.01 4201780.37 10.91221 (17120221) 644841.01 4201780.37 11.32416 (17020405)

644941.01 4201780.37 11.73308 (17022120) 645041.01 4201780.37 12.18076 (17120101)
645141.01 4201780.37 12.68323 (17121506) 645241.01 4201780.37 13.90981 (17122723)
645341.01 4201780.37 14.59399 (17122723) 645441.01 4201780.37 15.35084 (17121921)
645541.01 4201780.37 16.50881 (17121417) 645641.01 4201780.37 16.58901 (17012906)
645741.01 4201780.37 17.46440 (17020906) 645841.01 4201780.37 19.29691 (17021222)
645941.01 4201780.37 20.19956 (17120719) 646041.01 4201780.37 20.54488 (17021304)
646141.01 4201780.37 19.70768 (17021304) 646241.01 4201780.37 19.61811 (17121905)
646341.01 4201780.37 20.37317 (17121820) 646441.01 4201780.37 19.64439 (17011707)
646541.01 4201780.37 19.13869 (17012707) 646641.01 4201780.37 17.91212 (17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	17.61314	(17022507)	646841.01	4201780.37	16.75945	(17011918)
646941.01	4201780.37	15.81826	(17123004)	647041.01	4201780.37	15.29544	(17012922)
647141.01	4201780.37	14.67854	(17012922)	647241.01	4201780.37	13.89374	(17013119)
647341.01	4201780.37	13.32849	(17013119)	644341.01	4201880.37	8.99782	(17011108)
644441.01	4201880.37	9.11809	(17120620)	644541.01	4201880.37	9.56875	(17120620)
644641.01	4201880.37	9.94602	(17120221)	644741.01	4201880.37	10.30299	(17020405)
644841.01	4201880.37	10.67891	(17022120)	644941.01	4201880.37	11.05521	(17120101)
645041.01	4201880.37	11.47760	(17011124)	645141.01	4201880.37	12.16954	(17121506)
645241.01	4201880.37	13.18107	(17122723)	645341.01	4201880.37	13.52286	(17013102)

645441.01 4201880.37 14.35396 (17121921) 645541.01 4201880.37 15.05334 (17121417)
645641.01 4201880.37 15.10091 (17012906) 645741.01 4201880.37 15.83306 (17020906)
645841.01 4201880.37 17.24969 (17021222) 645941.01 4201880.37 18.27811 (17120719)
646041.01 4201880.37 18.06886 (17011607) 646141.01 4201880.37 18.46865 (17021304)
646241.01 4201880.37 16.45191 (17120204) 646341.01 4201880.37 18.09673 (17121905)
646441.01 4201880.37 18.20750 (17121820) 646541.01 4201880.37 17.53741 (17120123)
646641.01 4201880.37 16.94503 (17012707) 646741.01 4201880.37 15.97935 (17022507)
646841.01 4201880.37 15.61902 (17022507) 646941.01 4201880.37 14.88296 (17011918)
647041.01 4201880.37 14.19900 (17123004) 647141.01 4201880.37 13.49318 (17010908)
647241.01 4201880.37 13.25332 (17012922) 647341.01 4201880.37 12.22726 (17013119)
644341.01 4201980.37 8.42611 (17120620) 644441.01 4201980.37 8.75768 (17010204)
644541.01 4201980.37 9.10975 (17120221) 644641.01 4201980.37 9.42202 (17020405)
644741.01 4201980.37 9.76853 (17022120) 644841.01 4201980.37 10.05550 (17120101)
644941.01 4201980.37 10.36085 (17011124) 645041.01 4201980.37 10.78682 (17121506)
645141.01 4201980.37 11.59650 (17122723) 645241.01 4201980.37 12.33317 (17122723)
645341.01 4201980.37 12.65149 (17013102) 645441.01 4201980.37 13.37688 (17121417)
645541.01 4201980.37 13.81256 (17121417) 645641.01 4201980.37 13.88733 (17012906)
645741.01 4201980.37 14.53805 (17020906) 645841.01 4201980.37 15.55749 (17021222)
645941.01 4201980.37 16.59136 (17120719) 646041.01 4201980.37 16.22897 (17122703)
646141.01 4201980.37 16.97672 (17021304) 646241.01 4201980.37 15.46710 (17021304)
646341.01 4201980.37 15.79023 (17121905) 646441.01 4201980.37 16.22140 (17121820)
646541.01 4201980.37 16.03466 (17121820) 646641.01 4201980.37 15.77750 (17120123)

646741.01 4201980.37 15.10203 (17012707) 646841.01 4201980.37 14.39351 (17022507)
646941.01 4201980.37 13.99645 (17022507) 647041.01 4201980.37 13.35456 (17011918)
647141.01 4201980.37 12.84361 (17123004) 647241.01 4201980.37 12.18561 (17010908)
647341.01 4201980.37 11.98962 (17012922) 644341.01 4202080.37 8.06568 (17010204)
644441.01 4202080.37 8.37882 (17120221) 644541.01 4202080.37 8.65654 (17020405)
644641.01 4202080.37 8.97592 (17022120) 644741.01 4202080.37 9.16560 (17120101)
644841.01 4202080.37 9.52130 (17120101) 644941.01 4202080.37 9.90717 (17011124)
645041.01 4202080.37 10.42810 (17121506) 645141.01 4202080.37 11.17689 (17122723)
645241.01 4202080.37 11.45541 (17122723) 645341.01 4202080.37 11.82199 (17020101)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	12.61388	(17121417)	645541.01	4202080.37	12.73291	(17121417)
645641.01	4202080.37	12.83197	(17012906)	645741.01	4202080.37	13.40400	(17020906)
645841.01	4202080.37	14.08850	(17021222)	645941.01	4202080.37	15.06088	(17120719)
646041.01	4202080.37	14.90510	(17011706)	646141.01	4202080.37	15.39482	(17021304)
646241.01	4202080.37	14.87376	(17021304)	646341.01	4202080.37	13.46775	(17120204)
646441.01	4202080.37	14.84077	(17121905)	646541.01	4202080.37	14.95570	(17121820)
646641.01	4202080.37	14.33597	(17011707)	646741.01	4202080.37	14.18866	(17120123)
646841.01	4202080.37	13.50915	(17012707)	646941.01	4202080.37	13.04773	(17022507)
647041.01	4202080.37	12.61923	(17022507)	647141.01	4202080.37	12.06124	(17011918)

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       647241.01   4202080.37       11.67159  (17123004)              647341.01   4202080.37       11.04669
(17010908)
       644341.01   4202180.37        7.73560  (17120221)              644441.01   4202180.37        7.98662
(17020405)
       644541.01   4202180.37        8.28144  (17022120)              644641.01   4202180.37        8.46080
(17010205)
       644741.01   4202180.37        8.78443  (17120101)              644841.01   4202180.37        9.08042
(17011124)
       644941.01   4202180.37        9.37513  (17121506)              645041.01   4202180.37        9.90405
(17121506)
       645141.01   4202180.37       10.63336  (17122723)              645241.01   4202180.37       10.79132
(17121822)
       645341.01   4202180.37       11.20824  (17020101)              645441.01   4202180.37       11.86928
(17121417)
       645541.01   4202180.37       11.73554  (17121417)              645641.01   4202180.37       11.89793
(17012906)
       645741.01   4202180.37       12.42650  (17020906)              645841.01   4202180.37       12.82446
(17021222)
       645941.01   4202180.37       13.70167  (17120719)              646041.01   4202180.37       13.92708
(17120719)
       646141.01   4202180.37       13.94515  (17011607)              646241.01   4202180.37       14.09541
(17021304)
       646341.01   4202180.37       12.45495  (17021304)              646441.01   4202180.37       13.11568
(17121905)
       646541.01   4202180.37       13.53563  (17121905)              646641.01   4202180.37       13.56032
(17121820)
       646741.01   4202180.37       13.00015  (17011707)              646841.01   4202180.37       12.75958
(17120123)
       646941.01   4202180.37       12.12739  (17012707)              647041.01   4202180.37       11.89697
(17022507)
       647141.01   4202180.37       11.45007  (17022507)              647241.01   4202180.37       10.96546
(17011918)
       647341.01   4202180.37       10.66296  (17123004)              644341.01   4202280.37        7.39664
(17020405)
       644441.01   4202280.37        7.66314  (17022120)              644541.01   4202280.37        7.83291
(17010205)
       644641.01   4202280.37        8.12459  (17120101)              644741.01   4202280.37        8.31360
(17011124)
       644841.01   4202280.37        8.61140  (17011124)              644941.01   4202280.37        9.10791
(17121506)
       645041.01   4202280.37        9.66591  (17122723)              645141.01   4202280.37        9.98722
(17122723)
       645241.01   4202280.37       10.25081  (17121822)              645341.01   4202280.37       10.62675
(17121921)
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645441.01	4202280.37	11.14639	(17121417)	645541.01	4202280.37	10.82289	(17121417)
645641.01	4202280.37	11.06993	(17012906)	645741.01	4202280.37	11.56871	(17020906)
645841.01	4202280.37	11.72430	(17021222)	645941.01	4202280.37	12.66334	(17021222)
646041.01	4202280.37	13.03757	(17120719)	646141.01	4202280.37	12.62984	(17122703)
646241.01	4202280.37	13.18561	(17021304)	646341.01	4202280.37	12.20100	(17021304)
646441.01	4202280.37	11.32134	(17120204)	646541.01	4202280.37	12.49605	(17121905)
646641.01	4202280.37	12.54459	(17121820)	646741.01	4202280.37	12.17355	(17121820)
646841.01	4202280.37	12.01623	(17120123)	646941.01	4202280.37	11.63401	(17012707)
647041.01	4202280.37	10.91893	(17012707)	647141.01	4202280.37	10.90460	(17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	10.48110	(17120701)	647341.01	4202280.37	10.02850	(17120701)
645946.01	4200731.54	81.45603	(17021219)	645933.67	4200896.54	146.38701	(15021917)
645889.89	4200889.80	144.72208	(15021917)	645847.24	4200866.23	155.57934	(15021917)
645697.97	4200718.07	227.71583	(14060906)	645704.70	4200712.46	245.47319	(14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	404618.56396	(15021908)	646506.52	4202111.83	719930.98406	(14021508)
645939.20	4200707.16	**********	(14121216)	644341.01	4199280.37	491019.26357	(16010309)
644441.01	4199280.37	567462.94239	(16010309)	644541.01	4199280.37	592511.40925	(16010309)
644641.01	4199280.37	550887.65138	(16010309)	644741.01	4199280.37	561971.30417	(14120701)
644841.01	4199280.37	594375.13696	(14021122)	644941.01	4199280.37	604749.67001	(13020205)
645041.01	4199280.37	674880.52784	(15022608)	645141.01	4199280.37	692352.34374	(13011517)
645241.01	4199280.37	695061.60563	(17122918)	645341.01	4199280.37	693325.38127	(14021105)
645441.01	4199280.37	748801.76959	(15012509)	645541.01	4199280.37	789845.32543	(17011609)
645641.01	4199280.37	897764.92874	(17011609)	645741.01	4199280.37	796053.45843	(17011609)
645841.01	4199280.37	869354.23612	(17123009)	645941.01	4199280.37	815281.77661	(15011509)
646041.01	4199280.37	776885.94037	(17122917)	646141.01	4199280.37	766860.85946	(17122917)
646241.01	4199280.37	739455.12719	(17013024)	646341.01	4199280.37	720497.79191	(17122319)

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        646441.01   4199280.37   712978.91858  (17122518)              646541.01   4199280.37   681245.59689
(16022508)
        646641.01   4199280.37   638445.60732  (17012903)              646741.01   4199280.37   642847.48488
(17020801)
        646841.01   4199280.37   584946.47005  (17011208)              646941.01   4199280.37   580690.93994
(13012517)
        647041.01   4199280.37   581753.86143  (13012517)              647141.01   4199280.37   555809.36876
(14121216)
        647241.01   4199280.37   502798.96460  (14121216)              647341.01   4199280.37   460717.52858
(17120121)
        644341.01   4199380.37   496130.50175  (14021223)              644441.01   4199380.37   540694.87328
(16010309)
        644541.01   4199380.37   626168.06921  (16010309)              644641.01   4199380.37   647957.39148
(16010309)
        644741.01   4199380.37   589006.54097  (16010309)              644841.01   4199380.37   631932.19885
(14120701)
        644941.01   4199380.37   653143.40078  (14021301)              645041.01   4199380.37   703314.55350
(14021408)
        645141.01   4199380.37   741020.29213  (14021408)              645241.01   4199380.37   758088.50793
(13011517)
        645341.01   4199380.37   748866.73264  (14021105)              645441.01   4199380.37   790289.33234
(15012509)
        645541.01   4199380.37   841340.98870  (17012817)              645641.01   4199380.37   979041.86317
(17011609)
        645741.01   4199380.37   891481.65745  (17011609)              645841.01   4199380.37   950025.25171
(17123009)
        645941.01   4199380.37   893121.86758  (15011509)              646041.01   4199380.37   860307.83138
(17122917)
        646141.01   4199380.37   814195.75282  (17122917)              646241.01   4199380.37   801648.64879
(17012520)
        646341.01   4199380.37   788800.16746  (17122319)              646441.01   4199380.37   770559.59417
(17122518)
        646541.01   4199380.37   726066.65110  (17012903)              646641.01   4199380.37   712068.70860
(17020801)
        646741.01   4199380.37   658105.13095  (17020801)              646841.01   4199380.37   635041.27606
(17120120)
        646941.01   4199380.37   642371.31005  (13012517)              647041.01   4199380.37   613303.44495
(14121216)
        647141.01   4199380.37   557842.57805  (14121216)              647241.01   4199380.37   505041.43901
(17120121)
        647341.01   4199380.37   490565.15576  (14012217)              644341.01   4199480.37   518546.15831
(14021223)
        644441.01   4199480.37   547697.09370  (14021223)              644541.01   4199480.37   599787.72023
(16010309)
```

644641.01 4199480.37 696004.73851 (16010309) 644741.01 4199480.37 712028.04926 (16010309)
644841.01 4199480.37 650015.01153 (16022407) 644941.01 4199480.37 709050.96034 (14120701)
645041.01 4199480.37 730288.28153 (13020205) 645141.01 4199480.37 812240.40831 (15022608)
645241.01 4199480.37 839468.61906 (13011517) 645341.01 4199480.37 840790.92508 (17122918)
645441.01 4199480.37 844815.76522 (13012120) 645541.01 4199480.37 919789.42521 (15012509)
645641.01 4199480.37 1067115.48119 (17011609) 645741.01 4199480.37 1003874.91166 (17011609)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	1044301.68961	(17123009)	645941.01	4199480.37	983346.79675	(15011509)
646041.01	4199480.37	954482.08621	(17122917)	646141.01	4199480.37	884278.92771	(17013024)
646241.01	4199480.37	876041.89340	(17012520)	646341.01	4199480.37	849858.01325	(17122518)
646441.01	4199480.37	824237.81761	(16022508)	646541.01	4199480.37	768003.07288	(17020801)
646641.01	4199480.37	762653.91055	(17020801)	646741.01	4199480.37	704432.39170	(17120120)
646841.01	4199480.37	710967.56148	(13012517)	646941.01	4199480.37	680279.78996	(14121216)
647041.01	4199480.37	623573.78918	(14121216)	647141.01	4199480.37	557332.06492	(17120121)
647241.01	4199480.37	541166.50619	(14012217)	647341.01	4199480.37	519354.86628	(14012217)
644341.01	4199580.37	554417.67601	(14120608)	644441.01	4199580.37	571476.86068	(16020217)
644541.01	4199580.37	608901.45773	(14021223)	644641.01	4199580.37	671113.61537	(16010309)
644741.01	4199580.37	779681.54659	(16010309)	644841.01	4199580.37	786334.40294	(16010309)
644941.01	4199580.37	740236.38329	(14120118)	645041.01	4199580.37	799806.88529	(14021122)

645141.01 4199580.37 846876.95561 (14021408) 645241.01 4199580.37 910403.14094 (14021408)
645341.01 4199580.37 923413.90705 (13011517) 645441.01 4199580.37 929918.74568 (14021105)
645541.01 4199580.37 1018138.26367 (15012509) 645641.01 4199580.37 1162081.23743 (17011609)
645741.01 4199580.37 1137232.25600 (17011609) 645841.01 4199580.37 1155999.56626 (17123009)
645941.01 4199580.37 1088679.02914 (15011509) 646041.01 4199580.37 1059308.56571 (17122917)
646141.01 4199580.37 990297.48195 (17013024) 646241.01 4199580.37 958154.33735 (17122319)
646341.01 4199580.37 947824.76902 (17122518) 646441.01 4199580.37 886928.52195 (17012903)
646541.01 4199580.37 867753.90142 (17020801) 646641.01 4199580.37 783099.37870 (17011208)
646741.01 4199580.37 786828.21857 (13012517) 646841.01 4199580.37 759435.51595 (14121216)
646941.01 4199580.37 702480.43243 (14121216) 647041.01 4199580.37 619577.36426 (17120121)
647141.01 4199580.37 599683.97201 (14012217) 647241.01 4199580.37 570960.88385 (14012217)
647341.01 4199580.37 548994.31515 (17122320) 644341.01 4199680.37 564636.85183 (15011205)
644441.01 4199680.37 610748.22339 (14120608) 644541.01 4199680.37 642747.55638 (14120608)
644641.01 4199680.37 682503.13892 (14021223) 644741.01 4199680.37 758052.23505 (16010309)
644841.01 4199680.37 881578.29285 (16010309) 644941.01 4199680.37 872445.19855 (16010309)
645041.01 4199680.37 858787.06115 (14120701) 645141.01 4199680.37 901348.64249 (14021301)
645241.01 4199680.37 1004881.91232 (15022608) 645341.01 4199680.37 1048988.32109 (13011517)
645441.01 4199680.37 1035808.45038 (17122918) 645541.01 4199680.37 1111599.18692 (15012509)
645641.01 4199680.37 1262043.74979 (17011609) 645741.01 4199680.37 1296010.40809 (17011609)
645841.01 4199680.37 1289549.55083 (17123009) 645941.01 4199680.37 1212812.23760 (15011509)
646041.01 4199680.37 1176357.12222 (17122917) 646141.01 4199680.37 1099154.45947 (17013024)
646241.01 4199680.37 1069494.77639 (17122319) 646341.01 4199680.37 1031661.57402 (17122920)

646441.01 4199680.37 959116.46849 (17020801) 646541.01 4199680.37 921357.11398 (17020801)
646641.01 4199680.37 870265.40815 (13012517) 646741.01 4199680.37 861911.78087 (13012517)
646841.01 4199680.37 799205.52394 (14121216) 646941.01 4199680.37 693818.42814 (17120121)
647041.01 4199680.37 670282.30105 (14012217) 647141.01 4199680.37 630620.88581 (14012217)
647241.01 4199680.37 606693.29489 (17122320) 647341.01 4199680.37 574300.07446 (17123017)
644341.01 4199780.37 587143.06750 (17021403) 644441.01 4199780.37 626916.20019 (15011205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	674595.97130	(14120608)	644641.01	4199780.37	727827.19294	(14120608)
644741.01	4199780.37	772074.84917	(14021223)	644841.01	4199780.37	865960.34984	(16010309)
644941.01	4199780.37	1007450.68734	(16010309)	645041.01	4199780.37	972381.83012	(16010309)
645141.01	4199780.37	999469.45240	(14120701)	645241.01	4199780.37	1047555.18177	(14021408)
645341.01	4199780.37	1159121.11210	(14021408)	645441.01	4199780.37	1180758.44928	(17122918)
645541.01	4199780.37	1192072.21158	(13012120)	645641.01	4199780.37	1364390.21820	(17011609)
645741.01	4199780.37	1486738.47633	(17011609)	645841.01	4199780.37	1451789.27123	(17123009)
645941.01	4199780.37	1360514.82876	(15011509)	646041.01	4199780.37	1304132.48537	(17122917)
646141.01	4199780.37	1228135.55709	(17012520)	646241.01	4199780.37	1193626.46998	(17122518)
646341.01	4199780.37	1120023.22666	(17012903)	646441.01	4199780.37	1087004.34282	(17020801)
646541.01	4199780.37	986766.13849	(17120120)	646641.01	4199780.37	989657.13045	(13012517)
646741.01	4199780.37	917992.93088	(14121216)	646841.01	4199780.37	785814.14071	(17120121)

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       646941.01   4199780.37   756934.32537  (14012217)              647041.01   4199780.37   709607.71967
(17122320)
       647141.01   4199780.37   672543.91998  (17122320)              647241.01   4199780.37   640243.14209
(17123017)
       647341.01   4199780.37   630267.77932  (17011509)              644341.01   4199880.37   645108.79235
(17120517)
       644441.01   4199880.37   657012.42494  (17021403)              644541.01   4199880.37   703673.41420
(15032607)
       644641.01   4199880.37   755344.21336  (13010908)              644741.01   4199880.37   830056.00580
(14120608)
       644841.01   4199880.37   883052.71831  (14021223)              644941.01   4199880.37  1002552.73656
(16010309)
       645041.01   4199880.37  1165299.51932  (16010309)              645141.01   4199880.37  1087692.86217
(16010309)
       645241.01   4199880.37  1167989.28083  (14021122)              645341.01   4199880.37  1295299.29585
(14021408)
       645441.01   4199880.37  1365610.05085  (13011517)              645541.01   4199880.37  1349641.80345
(14021105)
       645641.01   4199880.37  1469931.85947  (15012509)              645741.01   4199880.37  1717222.27952
(17011609)
       645841.01   4199880.37  1652308.42908  (17123009)              645941.01   4199880.37  1538350.16032
(15011509)
       646041.01   4199880.37  1440252.63295  (17122917)              646141.01   4199880.37  1370068.91928
(17122319)
       646241.01   4199880.37  1339619.45883  (17122920)              646341.01   4199880.37  1243754.02218
(17020801)
       646441.01   4199880.37  1137257.43019  (17020801)              646541.01   4199880.37  1142794.17013
(13012517)
       646641.01   4199880.37  1067809.23463  (14121216)              646741.01   4199880.37   901412.15923
(17120121)
       646841.01   4199880.37   865485.93049  (14012217)              646941.01   4199880.37   810718.97038
(17122320)
       647041.01   4199880.37   751879.16803  (17123017)              647141.01   4199880.37   712348.72444
(17123017)
       647241.01   4199880.37   738275.78326  (17011509)              647341.01   4199880.37   724800.76724
(17011509)
       644341.01   4199980.37   658766.32407  (17121504)              644441.01   4199980.37   727600.22151
(17120517)
       644541.01   4199980.37   762219.00454  (17120517)              644641.01   4199980.37   792854.55611
(17021403)
       644741.01   4199980.37   860254.25371  (15011205)              644841.01   4199980.37   954529.86985
(14120608)
       644941.01   4199980.37  1023028.24898  (14021223)              645041.01   4199980.37  1179820.93683
(16010309)
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645141.01 4199980.37 1367030.55501 (16010309) 645241.01 4199980.37 1270294.67013 (14120701)
645341.01 4199980.37 1376896.70837 (13020205) 645441.01 4199980.37 1552414.38740 (14021408)
645541.01 4199980.37 1573312.55375 (17122918) 645641.01 4199980.37 1700910.21470 (15012509)
645741.01 4199980.37 1997715.61477 (17011609) 645841.01 4199980.37 1904747.63229 (17123009)
645941.01 4199980.37 1755175.73411 (15011509) 646041.01 4199980.37 1641298.23107 (17013024)
646141.01 4199980.37 1577602.35534 (17122319) 646241.01 4199980.37 1481631.97910 (17012903)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	1412149.44962	(17020801)	646441.01	4199980.37	1325508.68829	(13012517)
646541.01	4199980.37	1258909.44061	(14121216)	646641.01	4199980.37	1054504.99157	(14121216)
646741.01	4199980.37	1003421.92736	(14012217)	646841.01	4199980.37	934349.29433	(17122320)
646941.01	4199980.37	867577.69351	(17123017)	647041.01	4199980.37	851850.24548	(17011509)
647141.01	4199980.37	858143.51655	(17011509)	647241.01	4199980.37	805501.80095	(17011509)
647341.01	4199980.37	714158.38124	(17011509)	644341.01	4200080.37	692427.50239	(17021420)
644441.01	4200080.37	732845.15068	(17013106)	644541.01	4200080.37	800622.69075	(17120517)
644641.01	4200080.37	887311.66477	(17120517)	644741.01	4200080.37	913762.74599	(17120517)
644841.01	4200080.37	996345.31050	(15032607)	644941.01	4200080.37	1107037.85117	(14120608)
645041.01	4200080.37	1203415.15770	(14021223)	645141.01	4200080.37	1417572.33638	(16010309)
645241.01	4200080.37	1630815.00199	(16010309)	645341.01	4200080.37	1576122.70900	(14120701)
645441.01	4200080.37	1765582.07242	(14021408)	645541.01	4200080.37	1885084.89901	(13011517)

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        645641.01   4200080.37  1931053.15008  (15012509)              645741.01   4200080.37  2338806.46972
(17011609)
        645841.01   4200080.37  2232497.44191  (17123009)              645941.01   4200080.37  2037360.57186
(17122917)
        646041.01   4200080.37  1918160.74178  (17013024)              646141.01   4200080.37  1845890.31543
(17122318)
        646241.01   4200080.37  1701352.79180  (17020801)              646341.01   4200080.37  1539393.39280
(13012517)
        646441.01   4200080.37  1508656.67586  (14121216)              646541.01   4200080.37  1273439.03117
(14121216)
        646641.01   4200080.37  1183634.33222  (14012217)              646741.01   4200080.37  1087267.59498
(17122320)
        646841.01   4200080.37  1002654.77043  (17123017)              646941.01   4200080.37  1028828.68190
(17011509)
        647041.01   4200080.37   984006.24422  (17011509)              647141.01   4200080.37   875494.49601
(17011509)
        647241.01   4200080.37   735711.78181  (17011509)              647341.01   4200080.37   591228.47008
(17122619)
        644341.01   4200180.37   721360.40280  (17021308)              644441.01   4200180.37   780568.14201
(17021420)
        644541.01   4200180.37   845186.56220  (17021420)              644641.01   4200180.37   900935.75165
(17013106)
        644741.01   4200180.37  1006748.98968  (17120517)              644841.01   4200180.37  1110974.19828
(17120517)
        644941.01   4200180.37  1164997.37462  (17021403)              645041.01   4200180.37  1297035.10281
(13010908)
        645141.01   4200180.37  1449624.75486  (14120608)              645241.01   4200180.37  1749241.18431
(16010309)
        645341.01   4200180.37  1984872.55504  (16010309)              645441.01   4200180.37  1969198.94746
(14021122)
        645541.01   4200180.37  2244871.21352  (14021408)              645641.01   4200180.37  2242782.75080
(14021105)
        645741.01   4200180.37  2754214.94353  (17011609)              645841.01   4200180.37  2680941.02047
(15011209)
        645941.01   4200180.37  2465368.05525  (17122917)              646041.01   4200180.37  2255750.75347
(17012520)
        646141.01   4200180.37  2120062.64217  (16022508)              646241.01   4200180.37  1933865.58027
(17020801)
        646341.01   4200180.37  1854438.38329  (13012517)              646441.01   4200180.37  1576752.35551
(14121216)
        646541.01   4200180.37  1425357.84292  (14012217)              646641.01   4200180.37  1278328.47289
(17122320)
        646741.01   4200180.37  1246579.31872  (17011509)              646841.01   4200180.37  1230393.64781
(17011509)
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646941.01 4200180.37 1103554.70589 (17011509) 647041.01 4200180.37 920041.20522 (17011509)
647141.01 4200180.37 725804.48061 (17011509) 647241.01 4200180.37 672513.38275 (17122619)
647341.01 4200180.37 609634.86596 (17122619) 644341.01 4200280.37 755163.20177 (17021308)
644441.01 4200280.37 834317.95400 (17021308) 644541.01 4200280.37 899699.44390 (17021308)
644641.01 4200280.37 957225.82328 (17021420) 644741.01 4200280.37 1064800.94006 (17021420)
644841.01 4200280.37 1148854.29781 (17013106) 644941.01 4200280.37 1317949.62036 (17120517)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	1438157.13193	(17120517)	645141.01	4200280.37	1586230.83292	(15032607)
645241.01	4200280.37	1826472.91781	(14120608)	645341.01	4200280.37	2237927.86375	(16010309)
645441.01	4200280.37	2471651.14346	(16010309)	645541.01	4200280.37	2627578.07924	(14021408)
645641.01	4200280.37	2843301.92751	(13011517)	645741.01	4200280.37	3256478.24221	(17011609)
645841.01	4200280.37	3308008.02835	(15011209)	645941.01	4200280.37	3020112.41691	(17122917)
646041.01	4200280.37	2743310.31612	(17122318)	646141.01	4200280.37	2529619.65421	(17020801)
646241.01	4200280.37	2356302.52172	(13012517)	646341.01	4200280.37	2018713.64646	(14121216)
646441.01	4200280.37	1763604.87617	(14012217)	646541.01	4200280.37	1563526.63593	(17123017)
646641.01	4200280.37	1581115.88501	(17011509)	646741.01	4200280.37	1442620.84961	(17011509)
646841.01	4200280.37	1193752.29392	(17011509)	646941.01	4200280.37	919536.48207	(17011509)
647041.01	4200280.37	828302.12204	(17122619)	647141.01	4200280.37	742833.70725	(17020824)
647241.01	4200280.37	701693.61213	(15060806)	647341.01	4200280.37	668957.01576	(15060806)

644341.01 4200380.37 740040.50188 (17121207) 644441.01 4200380.37 812477.57672 (17123023)
644541.01 4200380.37 895050.00623 (17123023) 644641.01 4200380.37 1020918.65631 (17021308)
644741.01 4200380.37 1148483.59222 (17021308) 644841.01 4200380.37 1248022.70897 (17021308)
644941.01 4200380.37 1401448.84618 (17021420) 645041.01 4200380.37 1545251.61702 (17013106)
645141.01 4200380.37 1828576.56221 (17120517) 645241.01 4200380.37 2001927.12672 (15032607)
645341.01 4200380.37 2382684.81123 (14120608) 645441.01 4200380.37 3015487.22430 (16010309)
645541.01 4200380.37 3150028.66325 (16010309) 645641.01 4200380.37 3698430.57315 (14021408)
645741.01 4200380.37 3850428.83740 (17011609) 645841.01 4200380.37 4222513.40534 (15011209)
645941.01 4200380.37 3741491.48184 (17122917) 646041.01 4200380.37 3408693.48112 (17122318)
646141.01 4200380.37 3057045.03974 (13012517) 646241.01 4200380.37 2705563.79134 (14121216)
646341.01 4200380.37 2263488.53057 (14012217) 646441.01 4200380.37 2093162.99208 (17011509)
646541.01 4200380.37 1981833.07122 (17011509) 646641.01 4200380.37 1629345.90819 (17011509)
646741.01 4200380.37 1216754.94170 (17011509) 646841.01 4200380.37 1055417.26689 (17122619)
646941.01 4200380.37 958181.48097 (15060806) 647041.01 4200380.37 899679.36596 (15060806)
647141.01 4200380.37 831855.06510 (15060806) 647241.01 4200380.37 761015.91731 (15060806)
647341.01 4200380.37 691342.72645 (15060806) 644341.01 4200480.37 766063.00399 (15011009)
644441.01 4200480.37 830018.31226 (17011605) 644541.01 4200480.37 907176.29857 (17012823)
644641.01 4200480.37 1008141.69231 (17012823) 644741.01 4200480.37 1116308.20442 (17121207)
644841.01 4200480.37 1274885.07325 (17123023) 644941.01 4200480.37 1502935.37822 (17021308)
645041.01 4200480.37 1739432.13669 (17021308) 645141.01 4200480.37 1968764.04857 (17021420)
645241.01 4200480.37 2261568.29101 (17013106) 645341.01 4200480.37 2777394.77152 (17120517)
645441.01 4200480.37 3253129.18268 (14120608) 645541.01 4200480.37 4391940.02865 (16010309)

645641.01 4200480.37 4615656.23384 (14021408) 645741.01 4200480.37 4971726.03139 (13011517)
645841.01 4200480.37 5673603.71539 (15011209) 645941.01 4200480.37 4857889.41463 (17013024)
646041.01 4200480.37 4353608.40562 (17020801) 646141.01 4200480.37 3890402.57199 (14121216)
646241.01 4200480.37 3061052.04846 (14012217) 646341.01 4200480.37 2918942.15804 (17011509)
646441.01 4200480.37 2403503.25825 (17011509) 646541.01 4200480.37 1717752.46954 (17011509)
646641.01 4200480.37 1438352.08856 (15060806) 646741.01 4200480.37 1321390.03095 (15060806)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	1187236.91338	(15060806)	646941.01	4200480.37	1052281.49862	(15060806)
647041.01	4200480.37	925371.50609	(15060806)	647141.01	4200480.37	810373.93709	(15060806)
647241.01	4200480.37	742386.04417	(14012017)	647341.01	4200480.37	687364.33663	(14012017)
644341.01	4200580.37	856769.57093	(15011009)	644441.01	4200580.37	937141.55205	(15011009)
644541.01	4200580.37	1026690.52152	(15011009)	644641.01	4200580.37	1124277.19491	(15011009)
644741.01	4200580.37	1230475.97298	(15011009)	644841.01	4200580.37	1343394.64806	(15011009)
644941.01	4200580.37	1486098.66931	(17011605)	645041.01	4200580.37	1723773.35319	(17012823)
645141.01	4200580.37	2044028.51607	(17123023)	645241.01	4200580.37	2571978.39543	(17021308)
645341.01	4200580.37	3143348.94709	(17021308)	645441.01	4200580.37	3842939.96625	(17121504)
645541.01	4200580.37	5054469.04882	(15032607)	645641.01	4200580.37	7307814.90554	(16010309)
645741.01	4200580.37	7926401.14365	(14021408)	645841.01	4200580.37	8562610.22310	(17011609)
645941.01	4200580.37	6988559.07552	(17122318)	646041.01	4200580.37	6255506.65113	(14121216)

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       646141.01   4200580.37  4764387.17935  (17011509)              646241.01   4200580.37  4032701.94678
(17011509)
       646341.01   4200580.37  2693700.26959  (17011509)              646441.01   4200580.37  2256207.62704
(15060806)
       646541.01   4200580.37  1922264.10010  (15060806)              646641.01   4200580.37  1611356.45910
(15060806)
       646741.01   4200580.37  1342306.86449  (15060806)              646841.01   4200580.37  1183240.00112
(14012017)
       646941.01   4200580.37  1052765.02062  (14012017)              647041.01   4200580.37   936161.44601
(14012017)
       647141.01   4200580.37   833471.14792  (14012017)              647241.01   4200580.37   748102.43680
(17122519)
       647341.01   4200580.37   685001.74427  (17122519)              644341.01   4200680.37   853066.50159
(13121509)
       644441.01   4200680.37   930294.52917  (13121509)              644541.01   4200680.37  1020213.40619
(13121509)
       644641.01   4200680.37  1124968.23136  (13121509)              644741.01   4200680.37  1251393.77524
(15011009)
       644841.01   4200680.37  1442557.54967  (15011009)              644941.01   4200680.37  1677519.95125
(15011009)
       645041.01   4200680.37  1972223.48539  (15011009)              645141.01   4200680.37  2344024.92389
(15011009)
       645241.01   4200680.37  2822265.67310  (15011009)              645341.01   4200680.37  3436021.98398
(15011009)
       645441.01   4200680.37  4243761.43039  (15011009)              645541.01   4200680.37  6411697.27512
(17021308)
       645641.01   4200680.37  ************  (17120517)              645741.01   4200680.37  ************
(16010309)
       645841.01   4200680.37  ************  (17011609)              645941.01   4200680.37  ************
(14121216)
       646041.01   4200680.37  9047546.98658  (17011509)              646141.01   4200680.37  5483314.48997
(15060806)
       646241.01   4200680.37  4052847.02216  (15060806)              646341.01   4200680.37  2979292.63814
(15060806)
       646441.01   4200680.37  2360112.06511  (14012017)              646541.01   4200680.37  1918657.16255
(14012017)
       646641.01   4200680.37  1588863.49796  (17122519)              646741.01   4200680.37  1358617.40924
(17122519)
       646841.01   4200680.37  1172283.43289  (17122519)              646941.01   4200680.37  1026733.18446
(17122719)
       647041.01   4200680.37   912576.22549  (17122719)              647141.01   4200680.37   818696.61732
(17122621)
       647241.01   4200680.37   746084.06244  (17122621)              647341.01   4200680.37   683242.48110
(17122621)
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644341.01 4200780.37 815691.65163 (13121509) 644441.01 4200780.37 896880.75833 (13121509)
644541.01 4200780.37 992838.33663 (13121509) 644641.01 4200780.37 1107374.09294 (13121509)
644741.01 4200780.37 1246376.38097 (13121509) 644841.01 4200780.37 1417756.47157 (13121509)
644941.01 4200780.37 1633827.52577 (13121509) 645041.01 4200780.37 1911736.56866 (13121509)
645141.01 4200780.37 2280642.31276 (13121509) 645241.01 4200780.37 2789087.84782 (13121509)
645341.01 4200780.37 3520555.41804 (13121509) 645441.01 4200780.37 4654435.89365 (13121509)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	6587445.71958	(13121509)	645641.01	4200780.37	**********	(13121509)
645741.01	4200780.37	**********	(13121509)	646041.01	4200780.37	**********	(14092807)
646141.01	4200780.37	5974877.30538	(14022208)	646241.01	4200780.37	4154510.60383	(14022208)
646341.01	4200780.37	3113083.41629	(14022208)	646441.01	4200780.37	2450276.45475	(14022208)
646541.01	4200780.37	1995605.70066	(14022208)	646641.01	4200780.37	1668219.43614	(14022208)
646741.01	4200780.37	1422720.45542	(14022208)	646841.01	4200780.37	1232882.63452	(14022208)
646941.01	4200780.37	1082340.38114	(14022208)	647041.01	4200780.37	960590.74110	(14022208)
647141.01	4200780.37	860265.20890	(14022208)	647241.01	4200780.37	776512.92636	(14022208)
647341.01	4200780.37	705799.59537	(14022208)	644341.01	4200880.37	784051.19723	(17013107)
644441.01	4200880.37	856149.86125	(17013107)	644541.01	4200880.37	939332.25462	(17013107)
644641.01	4200880.37	1041432.41026	(17122903)	644741.01	4200880.37	1174127.51656	(17011121)
644841.01	4200880.37	1335969.20494	(17011121)	644941.01	4200880.37	1532610.43596	(17011121)

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       645041.01   4200880.37  1773561.21165  (17011121)              645141.01   4200880.37  2124191.09312
(13122609)
       645241.01   4200880.37  2583773.55097  (13122609)              645341.01   4200880.37  3163790.83981
(13122609)
       645441.01   4200880.37  3866052.33027  (17122608)              645541.01   4200880.37  5107332.76044
(17011201)
       645641.01   4200880.37  7103681.89264  (14022108)              645741.01   4200880.37  ************
(14060906)
       645841.01   4200880.37  ************  (15090607)              645941.01   4200880.37  ************
(15032706)
       646041.01   4200880.37  ************  (14091107)              646141.01   4200880.37  6108387.30952
(16091407)
       646241.01   4200880.37  4242680.30604  (13032807)              646341.01   4200880.37  3125000.22475
(13032807)
       646441.01   4200880.37  2491660.10302  (15021908)              646541.01   4200880.37  2031781.60637
(15021908)
       646641.01   4200880.37  1686577.79920  (15021908)              646741.01   4200880.37  1464649.74081
(14022208)
       646841.01   4200880.37  1288751.44752  (14022208)              646941.01   4200880.37  1144479.25790
(14022208)
       647041.01   4200880.37  1024954.94453  (14022208)              647141.01   4200880.37   923820.64080
(14022208)
       647241.01   4200880.37   839115.91151  (14022208)              647341.01   4200880.37   765289.65235
(14022208)
       644341.01   4200980.37   778698.87397  (13122609)              644441.01   4200980.37   862650.43696
(13122609)
       644541.01   4200980.37   956284.20645  (13122609)              644641.01   4200980.37  1060930.25194
(13122609)
       644741.01   4200980.37  1177774.84632  (13122609)              644841.01   4200980.37  1305356.04306
(13122609)
       644941.01   4200980.37  1440599.01293  (13122609)              645041.01   4200980.37  1662215.44132
(17122608)
       645141.01   4200980.37  1927948.83620  (17122608)              645241.01   4200980.37  2347605.61289
(17011201)
       645341.01   4200980.37  2766310.58220  (17121007)              645441.01   4200980.37  3454216.58939
(17020404)
       645541.01   4200980.37  4445039.84769  (14060906)              645641.01   4200980.37  5632579.43365
(14060906)
       645741.01   4200980.37  7630096.12088  (15090607)              645841.01   4200980.37  9762748.02790
(17012717)
       645941.01   4200980.37  ************  (17022508)              646041.01   4200980.37  7338442.90389
(14011617)
       646141.01   4200980.37  5084607.70227  (17121119)              646241.01   4200980.37  4069280.55701
(14091107)
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       646341.01   4200980.37  3095973.55735  (14091107)              646441.01   4200980.37  2389953.91670
(16091407)
       646541.01   4200980.37  1954142.31406  (13032807)              646641.01   4200980.37  1685560.31686
(13032807)
       646741.01   4200980.37  1442650.61799  (13032807)              646841.01   4200980.37  1232656.62779
(13032807)
       646941.01   4200980.37  1077921.37445  (15021908)              647041.01   4200980.37   971964.19283
(15021908)
       647141.01   4200980.37   878255.27613  (15021908)              647241.01   4200980.37   795761.99058
(15021908)
       647341.01   4200980.37   723399.45803  (15021908)              644341.01   4201080.37   761160.80480
(13122609)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	808846.59120	(13122609)	644541.01	4201080.37	880721.59414	(17122608)
644641.01	4201080.37	984778.43266	(17122608)	644741.01	4201080.37	1091503.27179	(17122608)
644841.01	4201080.37	1230773.20860	(17011201)	644941.01	4201080.37	1417967.78996	(17011201)
645041.01	4201080.37	1583911.97795	(17011201)	645141.01	4201080.37	1852922.65037	(17020404)
645241.01	4201080.37	2150463.66995	(17020404)	645341.01	4201080.37	2467628.46324	(16010209)
645441.01	4201080.37	3115048.25007	(14060906)	645541.01	4201080.37	3427402.42028	(14060906)
645641.01	4201080.37	4644421.07213	(15090607)	645741.01	4201080.37	5265961.84635	(16022908)
645841.01	4201080.37	5916468.45283	(14122309)	645941.01	4201080.37	6093523.06250	(17022508)
646041.01	4201080.37	5040331.02687	(15123109)	646141.01	4201080.37	4175745.05501	(14011617)
646241.01	4201080.37	3234358.16728	(17123020)	646341.01	4201080.37	2597249.89085	(17121119)
646441.01	4201080.37	2322732.59399	(14091107)	646541.01	4201080.37	1969652.98258	(14091107)
646641.01	4201080.37	1620725.58673	(14011317)	646741.01	4201080.37	1369968.30432	(16091407)

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       646841.01   4201080.37  1203441.90146  (16091407)              646941.01   4201080.37  1066949.62679
(13032807)
       647041.01   4201080.37   971810.86468  (13032807)              647141.01   4201080.37   878095.57136
(13032807)
       647241.01   4201080.37   789912.97363  (13032807)              647341.01   4201080.37   708816.07509
(13032807)
       644341.01   4201180.37   728826.65372  (17122608)              644441.01   4201180.37   789012.32867
(17123105)
       644541.01   4201180.37   879328.72856  (17011201)              644641.01   4201180.37   979112.82123
(17011201)
       644741.01   4201180.37  1065634.14038  (17011201)              644841.01   4201180.37  1182572.52068
(17122805)
       644941.01   4201180.37  1354262.41559  (17020404)              645041.01   4201180.37  1500191.48411
(17020404)
       645141.01   4201180.37  1629635.47994  (16010209)              645241.01   4201180.37  1927564.98984
(14060906)
       645341.01   4201180.37  2291258.86699  (14060906)              645441.01   4201180.37  2362650.66533
(17122909)
       645541.01   4201180.37  3156334.19878  (15090607)              645641.01   4201180.37  3495552.86749
(16022908)
       645741.01   4201180.37  3905660.83919  (17012717)              645841.01   4201180.37  4196031.63665
(14122309)
       645941.01   4201180.37  3908144.30968  (17012905)              646041.01   4201180.37  4039932.86653
(17022508)
       646141.01   4201180.37  3405674.72876  (15123109)              646241.01   4201180.37  2810723.49082
(14011617)
       646341.01   4201180.37  2295905.79229  (17013020)              646441.01   4201180.37  1987224.23887
(17121119)
       646541.01   4201180.37  1662120.57372  (13121617)              646641.01   4201180.37  1556778.33213
(14091107)
       646741.01   4201180.37  1393689.25013  (14091107)              646841.01   4201180.37  1195718.49642
(14091107)
       646941.01   4201180.37  1048998.27826  (14011317)              647041.01   4201180.37   922227.38395
(16091407)
       647141.01   4201180.37   840174.42218  (16091407)              647241.01   4201180.37   758219.17601
(16091407)
       647341.01   4201180.37   701594.61268  (13032807)              644341.01   4201280.37   730832.58707
(17011201)
       644441.01   4201280.37   782581.51474  (17010620)              644541.01   4201280.37   848537.51266
(17122805)
       644641.01   4201280.37   929821.69254  (17121007)              644741.01   4201280.37  1044964.00706
(17020404)
       644841.01   4201280.37  1123453.11586  (17020404)              644941.01   4201280.37  1195680.89596
(17122402)
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645041.01 4201280.37 1355543.71090 (15030108) 645141.01 4201280.37 1582194.90628 (14060906)
645241.01 4201280.37 1750365.99763 (14060906) 645341.01 4201280.37 1792525.58649 (17122909)
645441.01 4201280.37 2276596.93818 (15090607) 645541.01 4201280.37 2621323.52312 (15090607)
645641.01 4201280.37 2872589.07827 (16022908) 645741.01 4201280.37 3238829.41476 (17012717)
645841.01 4201280.37 3179921.77307 (14122309) 645941.01 4201280.37 2937520.69914 (17012905)
646041.01 4201280.37 3273991.44625 (17022508) 646141.01 4201280.37 2629277.67835 (17021405)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1
***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	2423890.37222	(15123109)	646341.01	4201280.37	2068426.55179	(14011617)
646441.01	4201280.37	1767918.96822	(17022407)	646541.01	4201280.37	1564924.82950	(17123020)
646641.01	4201280.37	1369491.36023	(17121119)	646741.01	4201280.37	1196751.42725	(13121617)
646841.01	4201280.37	1140809.79962	(14091107)	646941.01	4201280.37	1053891.61020	(14091107)
647041.01	4201280.37	939670.12985	(14091107)	647141.01	4201280.37	835600.69787	(14011317)
647241.01	4201280.37	751651.79242	(14011317)	647341.01	4201280.37	679235.53984	(16091407)
644341.01	4201380.37	698532.48632	(17122805)	644441.01	4201380.37	763907.93542	(17020404)
644541.01	4201380.37	837613.52040	(17020404)	644641.01	4201380.37	882651.46828	(17020404)
644741.01	4201380.37	930635.27558	(17122402)	644841.01	4201380.37	1025965.27452	(16010209)
644941.01	4201380.37	1152807.52109	(15030108)	645041.01	4201380.37	1311046.21673	(14060906)
645141.01	4201380.37	1378259.56536	(14060906)	645241.01	4201380.37	1419081.46772	(17122909)
645341.01	4201380.37	1749074.96799	(17122909)	645441.01	4201380.37	2081755.32500	(15090607)

645541.01	4201380.37	2183656.37750	(16022908)	645641.01	4201380.37	2305484.47125	(13123109)
645741.01	4201380.37	2642371.50161	(17012717)	645841.01	4201380.37	2508769.78348	(14122309)
645941.01	4201380.37	2327754.87908	(15011909)	646041.01	4201380.37	2506426.51364	(17022508)
646141.01	4201380.37	2249317.46390	(17022508)	646241.01	4201380.37	1951104.17681	(17022324)
646341.01	4201380.37	1805910.05729	(15123109)	646441.01	4201380.37	1614197.51242	(17022408)
646541.01	4201380.37	1427486.34012	(14011617)	646641.01	4201380.37	1251796.58275	(17123020)
646741.01	4201380.37	1141961.01982	(17121119)	646841.01	4201380.37	1003015.66852	(17121119)
646941.01	4201380.37	917076.24399	(13121617)	647041.01	4201380.37	884681.48298	(14091107)
647141.01	4201380.37	834230.67542	(14091107)	647241.01	4201380.37	763577.27623	(14091107)
647341.01	4201380.37	683674.65081	(14091107)	644341.01	4201480.37	690776.08628	(17020404)
644441.01	4201480.37	717231.07453	(17020404)	644541.01	4201480.37	752290.73510	(17122402)
644641.01	4201480.37	810312.71083	(16010209)	644741.01	4201480.37	898611.63840	(15030108)
644841.01	4201480.37	1000060.86018	(14060906)	644941.01	4201480.37	1098506.10907	(14060906)
645041.01	4201480.37	1112552.82665	(14060906)	645141.01	4201480.37	1159383.58924	(17122909)
645241.01	4201480.37	1419031.41024	(17122909)	645341.01	4201480.37	1673905.11194	(15090607)
645441.01	4201480.37	1641889.21644	(15090607)	645541.01	4201480.37	1886658.41241	(16022908)
645641.01	4201480.37	1932709.68479	(13123109)	645741.01	4201480.37	2152218.59832	(17012717)
645841.01	4201480.37	2043931.60138	(14122309)	645941.01	4201480.37	1959558.73301	(15011909)
646041.01	4201480.37	1869303.92728	(17022508)	646141.01	4201480.37	2055849.29514	(17022508)
646241.01	4201480.37	1676490.95421	(17021405)	646341.01	4201480.37	1602777.31725	(15123109)
646441.01	4201480.37	1411851.75564	(17122321)	646541.01	4201480.37	1309171.64894	(17022408)
646641.01	4201480.37	1188346.49370	(14011617)	646741.01	4201480.37	1041565.61763	(17013020)

646841.01 4201480.37 972370.70974 (17123020) 646941.01 4201480.37 884204.93505 (17121119)
647041.01 4201480.37 774924.93100 (13121617) 647141.01 4201480.37 733314.31565 (13121617)
647241.01 4201480.37 713925.45167 (14091107) 647341.01 4201480.37 683325.84888 (14091107)
644341.01 4201580.37 626626.84036 (17120905) 644441.01 4201580.37 664097.78916 (17043004)
644541.01 4201580.37 721928.06426 (16010209) 644641.01 4201580.37 792620.00417 (15030108)
644741.01 4201580.37 878394.19130 (14060906) 644841.01 4201580.37 931212.05812 (14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	916920.54586	(14060906)	645041.01	4201580.37	970272.62142	(17122909)
645141.01	4201580.37	1179449.95646	(17122909)	645241.01	4201580.37	1364289.01994	(15090607)
645341.01	4201580.37	1432427.42816	(15090607)	645441.01	4201580.37	1531769.16930	(16022908)
645541.01	4201580.37	1536236.13785	(13123109)	645641.01	4201580.37	1716257.81084	(17012717)
645741.01	4201580.37	1761149.51732	(17012717)	645841.01	4201580.37	1705936.70104	(14122309)
645941.01	4201580.37	1678720.45541	(15011909)	646041.01	4201580.37	1575987.20723	(17120207)
646141.01	4201580.37	1763548.02164	(17022508)	646241.01	4201580.37	1476481.92657	(17022508)
646341.01	4201580.37	1375633.37144	(17021405)	646441.01	4201580.37	1328596.50140	(15123109)
646541.01	4201580.37	1173266.16516	(17122321)	646641.01	4201580.37	1090998.62005	(17022408)
646741.01	4201580.37	1009444.05590	(14011617)	646841.01	4201580.37	886218.24837	(17013020)
646941.01	4201580.37	833153.09655	(17123020)	647041.01	4201580.37	770212.94583	(17121119)
647141.01	4201580.37	703302.45036	(17121119)	647241.01	4201580.37	638376.61427	(13121617)

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        647341.01   4201580.37   604744.44919  (13121617)                644341.01   4201680.37   603082.37952
(16010209)
        644441.01   4201680.37   654323.36416  (15030108)                644541.01   4201680.37   711098.62499
(14060906)
        644641.01   4201680.37   774740.47952  (14060906)                644741.01   4201680.37   798346.87817
(14060906)
        644841.01   4201680.37   768957.24775  (14060906)                644941.01   4201680.37   827578.24349
(17122909)
        645041.01   4201680.37   999378.19110  (17122909)                645141.01   4201680.37  1127005.52785
(15090607)
        645241.01   4201680.37  1240056.91192  (15090607)                645341.01   4201680.37  1196956.37044
(16022908)
        645441.01   4201680.37  1366477.11331  (16022908)                645541.01   4201680.37  1390083.12673
(13123109)
        645641.01   4201680.37  1544122.81752  (17012717)                645741.01   4201680.37  1452932.00079
(17012717)
        645841.01   4201680.37  1452223.60391  (14122309)                645941.01   4201680.37  1458485.17452
(15011909)
        646041.01   4201680.37  1366137.85553  (17120207)                646141.01   4201680.37  1458660.21153
(17022508)
        646241.01   4201680.37  1425307.67452  (17022508)                646341.01   4201680.37  1183955.53822
(17021405)
        646441.01   4201680.37  1124884.97274  (17022324)                646541.01   4201680.37  1109562.46144
(15123109)
        646641.01   4201680.37   994528.66444  (17122321)                646741.01   4201680.37   928828.18982
(17022408)
        646841.01   4201680.37   871716.06167  (14011617)                646941.01   4201680.37   774175.93262
(17120122)
        647041.01   4201680.37   714299.50037  (17123020)                647141.01   4201680.37   682318.29391
(17123020)
        647241.01   4201680.37   634270.39782  (17121119)                647341.01   4201680.37   572181.16538
(17121119)
        644341.01   4201780.37   590605.55961  (15030108)                644441.01   4201780.37   643944.13237
(14060906)
        644541.01   4201780.37   684715.37340  (14060906)                644641.01   4201780.37   691501.12474
(14060906)
        644741.01   4201780.37   671556.67318  (17010902)                644841.01   4201780.37   716654.80730
(17122909)
        644941.01   4201780.37   860272.72158  (17122909)                645041.01   4201780.37   942823.02494
(15090607)
        645141.01   4201780.37  1072258.36696  (15090607)                645241.01   4201780.37  1030270.64683
(15090607)
        645341.01   4201780.37  1153389.42288  (16022908)                645441.01   4201780.37  1157926.34279
(16022908)
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       645541.01   4201780.37  1219552.48117  (13123109)              645641.01   4201780.37  1374125.21753
(17012717)
       645741.01   4201780.37  1259673.01235  (14122309)              645841.01   4201780.37  1255377.62092
(14122309)
       645941.01   4201780.37  1281211.16522  (15011909)              646041.01   4201780.37  1187184.64952
(17012905)
       646141.01   4201780.37  1181652.49713  (17022508)              646241.01   4201780.37  1303048.17792
(17022508)
       646341.01   4201780.37  1065119.36724  (14021508)              646441.01   4201780.37  1031554.82555
(17021405)
       646541.01   4201780.37   978306.39994  (15123109)              646641.01   4201780.37   934802.52984
(15123109)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	855537.93630	(17122321)	646841.01	4201780.37	803588.52438	(17022408)
646941.01	4201780.37	761838.41966	(14011617)	647041.01	4201780.37	683729.33533	(17022407)
647141.01	4201780.37	631722.40006	(17013020)	647241.01	4201780.37	606992.50142	(17123020)
647341.01	4201780.37	567343.01778	(17121119)	644341.01	4201880.37	583075.70005	(14060906)
644441.01	4201880.37	606946.29707	(14060906)	644541.01	4201880.37	602337.63413	(14060906)
644641.01	4201880.37	595804.91733	(17010902)	644741.01	4201880.37	628592.33481	(17122909)
644841.01	4201880.37	750244.78771	(17122909)	644941.01	4201880.37	807452.61250	(17122909)
645041.01	4201880.37	929380.34176	(15090607)	645141.01	4201880.37	938393.45228	(15090607)
645241.01	4201880.37	941638.73006	(16022908)	645341.01	4201880.37	1051253.01444	(16022908)
645441.01	4201880.37	1041194.18098	(13123109)	645541.01	4201880.37	1077828.62987	(17012717)
645641.01	4201880.37	1214837.37903	(17012717)	645741.01	4201880.37	1126662.32544	(14122309)
645841.01	4201880.37	1099244.99354	(14122309)	645941.01	4201880.37	1138116.32551	(15011909)

646041.01 4201880.37 1040645.34533 (17012905) 646141.01 4201880.37 1019901.43939 (17121401)
646241.01 4201880.37 1149382.89305 (17022508) 646341.01 4201880.37 1055298.27877 (17022508)
646441.01 4201880.37 903004.29814 (17012921) 646541.01 4201880.37 880209.42039 (17021405)
646641.01 4201880.37 865576.29103 (15123109) 646741.01 4201880.37 795951.67865 (15123109)
646841.01 4201880.37 746597.00010 (17122321) 646941.01 4201880.37 705403.84039 (17022408)
647041.01 4201880.37 674368.58465 (14011617) 647141.01 4201880.37 611319.42605 (17022407)
647241.01 4201880.37 565281.79165 (17013020) 647341.01 4201880.37 539374.77838 (17123020)
644341.01 4201980.37 540499.94474 (14060906) 644441.01 4201980.37 528472.74639 (14060906)
644541.01 4201980.37 533296.63407 (17010902) 644641.01 4201980.37 557222.61613 (17122909)
644741.01 4201980.37 661593.38586 (17122909) 644841.01 4201980.37 716845.21125 (17122909)
644941.01 4201980.37 808952.48123 (15090607) 645041.01 4201980.37 847736.59701 (15090607)
645141.01 4201980.37 769702.50890 (15090607) 645241.01 4201980.37 910588.07087 (16022908)
645341.01 4201980.37 918933.43025 (16022908) 645441.01 4201980.37 959091.27470 (13123109)
645541.01 4201980.37 1017785.72021 (17012717) 645641.01 4201980.37 1072519.69702 (17012717)
645741.01 4201980.37 1015190.25955 (14122309) 645841.01 4201980.37 974070.74613 (14122309)
645941.01 4201980.37 1019890.51405 (15011909) 646041.01 4201980.37 914901.62163 (17012905)
646141.01 4201980.37 912454.78246 (17120207) 646241.01 4201980.37 988507.70684 (17022508)
646341.01 4201980.37 1003083.92942 (17022508) 646441.01 4201980.37 830235.99678 (14021508)
646541.01 4201980.37 809185.88767 (17021405) 646641.01 4201980.37 760370.18387 (17022324)
646741.01 4201980.37 765282.26364 (15123109) 646841.01 4201980.37 684195.49953 (15123109)
646941.01 4201980.37 659421.19870 (17122321) 647041.01 4201980.37 626975.70353 (17022408)
647141.01 4201980.37 602701.11538 (14011617) 647241.01 4201980.37 550533.41034 (17022407)

647341.01 4201980.37 508045.46922 (17013020) 644341.01 4202080.37 466994.85396 (14060906)
644441.01 4202080.37 480980.44966 (17010902) 644541.01 4202080.37 498412.29567 (17122909)
644641.01 4202080.37 588846.09424 (17122909) 644741.01 4202080.37 641260.56836 (17122909)
644841.01 4202080.37 708017.28848 (15090607) 644941.01 4202080.37 763244.67902 (15090607)
645041.01 4202080.37 726831.53632 (15090607) 645141.01 4202080.37 766665.77672 (16022908)
645241.01 4202080.37 842807.82115 (16022908) 645341.01 4202080.37 807012.36781 (13123109)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	865463.02072	(13123109)	645541.01	4202080.37	950151.63478	(17012717)
645641.01	4202080.37	946447.91770	(17012717)	645741.01	4202080.37	919255.48342	(14122309)
645841.01	4202080.37	870392.95455	(14122309)	645941.01	4202080.37	920226.49038	(15011909)
646041.01	4202080.37	810041.19827	(16091507)	646141.01	4202080.37	835145.15515	(17120207)
646241.01	4202080.37	836336.80850	(17022508)	646341.01	4202080.37	921812.19641	(17022508)
646441.01	4202080.37	817567.21237	(17022508)	646541.01	4202080.37	724032.44774	(17012921)
646641.01	4202080.37	716389.15592	(17021405)	646741.01	4202080.37	678068.22187	(15123109)
646841.01	4202080.37	677871.05802	(15123109)	646941.01	4202080.37	603304.47963	(17122321)
647041.01	4202080.37	587390.97278	(17122321)	647141.01	4202080.37	561750.76132	(17022408)
647241.01	4202080.37	542876.70992	(14011617)	647341.01	4202080.37	498602.95454	(17022407)
644341.01	4202180.37	436688.48848	(17010902)	644441.01	4202180.37	449374.93265	(17122909)
644541.01	4202180.37	528475.98472	(17122909)	644641.01	4202180.37	577773.36250	(17122909)

644741.01 4202180.37 623014.65620 (15090607) 644841.01 4202180.37 686536.91401 (15090607)
644941.01 4202180.37 679040.61425 (15090607) 645041.01 4202180.37 634268.23601 (16022908)
645141.01 4202180.37 744486.16671 (16022908) 645241.01 4202180.37 754128.98175 (16022908)
645341.01 4202180.37 770320.70957 (13123109) 645441.01 4202180.37 769367.85643 (13123109)
645541.01 4202180.37 878865.37830 (17012717) 645641.01 4202180.37 835599.06050 (17012717)
645741.01 4202180.37 837120.40621 (14122309) 645841.01 4202180.37 785447.17327 (17122408)
645941.01 4202180.37 835782.34491 (15011909) 646041.01 4202180.37 742551.09054 (16091507)
646141.01 4202180.37 760147.37530 (17120207) 646241.01 4202180.37 739967.37809 (17121401)
646341.01 4202180.37 826626.20769 (17022508) 646441.01 4202180.37 796895.28732 (17022508)
646541.01 4202180.37 671810.11948 (14021508) 646641.01 4202180.37 654324.17225 (17021405)
646741.01 4202180.37 626049.56931 (17021405) 646841.01 4202180.37 622228.23321 (15123109)
646941.01 4202180.37 602373.54358 (15123109) 647041.01 4202180.37 546372.10470 (17122321)
647141.01 4202180.37 530006.49451 (17022408) 647241.01 4202180.37 507316.96974 (17022408)
647341.01 4202180.37 492664.09451 (14011617) 644341.01 4202280.37 408094.90568 (17122909)
644441.01 4202280.37 477631.39943 (17122909) 644541.01 4202280.37 523427.78256 (17122909)
644641.01 4202280.37 551074.55719 (15090607) 644741.01 4202280.37 618541.73703 (15090607)
644841.01 4202280.37 630327.14362 (15090607) 644941.01 4202280.37 576503.42840 (15090607)
645041.01 4202280.37 641286.93947 (16022908) 645141.01 4202280.37 696977.57625 (16022908)
645241.01 4202280.37 657057.24071 (16022908) 645341.01 4202280.37 718600.19009 (13123109)
645441.01 4202280.37 724580.15893 (17012717) 645541.01 4202280.37 808153.48334 (17012717)
645641.01 4202280.37 739297.45773 (17012717) 645741.01 4202280.37 765284.70208 (14122309)
645841.01 4202280.37 716582.53636 (17122408) 645941.01 4202280.37 763349.77946 (15011909)

646041.01 4202280.37 682646.23342 (16091507) 646141.01 4202280.37 690686.05167 (17012905)
646241.01 4202280.37 669611.07052 (17121401) 646341.01 4202280.37 728033.81635 (17022508)
646441.01 4202280.37 753711.98304 (17022508) 646541.01 4202280.37 654880.82297 (17022508)
646641.01 4202280.37 598651.69178 (17012921) 646741.01 4202280.37 595410.81272 (17021405)
646841.01 4202280.37 560906.39591 (17022324) 646941.01 4202280.37 569234.20747 (15123109)
647041.01 4202280.37 536871.82627 (15123109) 647141.01 4202280.37 497544.22105 (17122321)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	482148.22695	(17022408)	647341.01	4202280.37	461411.16428	(17022408)
645946.01	4200731.54	**********	(14012217)	645933.67	4200896.54	**********	(15123109)
645889.89	4200889.80	**********	(14060106)	645847.24	4200866.23	**********	(13123109)
645697.97	4200718.07	**********	(13040307)	645704.70	4200712.46	**********	(13040307)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	404620.32519	(15021908)	646506.52	4202111.83	719934.74051	(14021508)
645939.20	4200707.16	**********	(14121216)	644341.01	4199280.37	491023.59236	(16010309)
644441.01	4199280.37	567467.65093	(16010309)	644541.01	4199280.37	592516.17716	(16010309)
644641.01	4199280.37	550892.16772	(16010309)	644741.01	4199280.37	561990.72288	(14120701)
644841.01	4199280.37	594395.66530	(14021122)	644941.01	4199280.37	604763.03658	(13020205)
645041.01	4199280.37	674902.52073	(15022608)	645141.01	4199280.37	692355.37264	(13011517)
645241.01	4199280.37	695082.42230	(17122918)	645341.01	4199280.37	693340.40593	(14021105)
645441.01	4199280.37	748820.04683	(15012509)	645541.01	4199280.37	789850.38595	(17011609)
645641.01	4199280.37	897769.93371	(17011609)	645741.01	4199280.37	796058.22959	(17011609)

645841.01 4199280.37 869374.39517 (17123009) 645941.01 4199280.37 815293.87005 (15011509)
646041.01 4199280.37 776904.17921 (17122917) 646141.01 4199280.37 766877.19800 (17122917)
646241.01 4199280.37 739470.17953 (17013024) 646341.01 4199280.37 720519.53650 (17122319)
646441.01 4199280.37 712998.56572 (17122518) 646541.01 4199280.37 681260.53558 (16022508)
646641.01 4199280.37 638457.49038 (17012903) 646741.01 4199280.37 642865.04363 (17020801)
646841.01 4199280.37 584954.73019 (17011208) 646941.01 4199280.37 580695.03349 (13012517)
647041.01 4199280.37 581757.83705 (13012517) 647141.01 4199280.37 555811.67604 (14121216)
647241.01 4199280.37 502801.15224 (14121216) 647341.01 4199280.37 460734.53793 (17120121)
644341.01 4199380.37 496147.39164 (14021223) 644441.01 4199380.37 540699.69088 (16010309)
644541.01 4199380.37 626173.29244 (16010309) 644641.01 4199380.37 647962.63002 (16010309)
644741.01 4199380.37 589011.44445 (16010309) 644841.01 4199380.37 631953.48770 (14120701)
644941.01 4199380.37 653166.88519 (14021301) 645041.01 4199380.37 703317.75008 (14021408)
645141.01 4199380.37 741023.64451 (14021408) 645241.01 4199380.37 758091.98253 (13011517)
645341.01 4199380.37 748883.43951 (14021105) 645441.01 4199380.37 790309.42308 (15012509)
645541.01 4199380.37 841366.52367 (17012817) 645641.01 4199380.37 979047.41833 (17011609)
645741.01 4199380.37 891486.95170 (17011609) 645841.01 4199380.37 950046.73346 (17123009)
645941.01 4199380.37 893134.77069 (15011509) 646041.01 4199380.37 860327.08939 (17122917)
646141.01 4199380.37 814212.63470 (17122917) 646241.01 4199380.37 801668.81977 (17012520)
646341.01 4199380.37 788822.46829 (17122319) 646441.01 4199380.37 770579.71756 (17122518)
646541.01 4199380.37 726079.73133 (17012903) 646641.01 4199380.37 712087.72834 (17020801)
646741.01 4199380.37 658123.09968 (17020801) 646841.01 4199380.37 635057.60273 (17120120)
646941.01 4199380.37 642375.69989 (13012517) 647041.01 4199380.37 613306.05144 (14121216)

647141.01	4199380.37	557845.04083	(14121216)		647241.01	4199380.37	505059.57889	(17120121)
647341.01	4199380.37	490567.43405	(14012217)		644341.01	4199480.37	518564.45408	(14021223)
644441.01	4199480.37	547715.75299	(14021223)		644541.01	4199480.37	599793.12227	(16010309)
644641.01	4199480.37	696010.57040	(16010309)		644741.01	4199480.37	712033.83240	(16010309)
644841.01	4199480.37	650041.02862	(16022407)		644941.01	4199480.37	709074.04599	(14120701)
645041.01	4199480.37	730304.45137	(13020205)		645141.01	4199480.37	812266.46676	(15022608)
645241.01	4199480.37	839472.47515	(13011517)		645341.01	4199480.37	840814.55589	(17122918)
645441.01	4199480.37	844834.67059	(13012120)		645541.01	4199480.37	919809.18051	(15012509)
645641.01	4199480.37	1067121.69391	(17011609)		645741.01	4199480.37	1003880.82952	(17011609)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	1044324.65202	(17123009)	645941.01	4199480.37	983360.58836	(15011509)
646041.01	4199480.37	954502.34344	(17122917)	646141.01	4199480.37	884296.99864	(17013024)
646241.01	4199480.37	876062.66937	(17012520)	646341.01	4199480.37	849880.63750	(17122518)
646441.01	4199480.37	824254.87310	(16022508)	646541.01	4199480.37	768023.80265	(17020801)
646641.01	4199480.37	762673.47442	(17020801)	646741.01	4199480.37	704449.99666	(17120120)
646841.01	4199480.37	710972.44846	(13012517)	646941.01	4199480.37	680282.76091	(14121216)
647041.01	4199480.37	623576.58652	(14121216)	647141.01	4199480.37	557351.44731	(17120121)
647241.01	4199480.37	541169.07288	(14012217)	647341.01	4199480.37	519357.27897	(14012217)
644341.01	4199580.37	554437.15665	(14120608)	644441.01	4199580.37	571498.94682	(16020217)

644541.01 4199580.37 608922.22024 (14021223) 644641.01 4199580.37 671119.72648 (16010309)
644741.01 4199580.37 779688.10707 (16010309) 644841.01 4199580.37 786340.82224 (16010309)
644941.01 4199580.37 740268.17231 (14120118) 645041.01 4199580.37 799833.68832 (14021122)
645141.01 4199580.37 846881.05965 (14021408) 645241.01 4199580.37 910407.47817 (14021408)
645341.01 4199580.37 923418.42888 (13011517) 645441.01 4199580.37 929937.94389 (14021105)
645541.01 4199580.37 1018160.61609 (15012509) 645641.01 4199580.37 1162088.24716 (17011609)
645741.01 4199580.37 1137238.92861 (17011609) 645841.01 4199580.37 1156024.19891 (17123009)
645941.01 4199580.37 1088693.80233 (15011509) 646041.01 4199580.37 1059329.79233 (17122917)
646141.01 4199580.37 990316.38321 (17013024) 646241.01 4199580.37 958180.53653 (17122319)
646341.01 4199580.37 947847.91770 (17122518) 646441.01 4199580.37 886943.60499 (17012903)
646541.01 4199580.37 867775.35556 (17020801) 646641.01 4199580.37 783109.84028 (17011208)
646741.01 4199580.37 786833.70868 (13012517) 646841.01 4199580.37 759438.94118 (14121216)
646941.01 4199580.37 702483.64119 (14121216) 647041.01 4199580.37 619598.11214 (17120121)
647141.01 4199580.37 599686.89024 (14012217) 647241.01 4199580.37 570963.61371 (14012217)
647341.01 4199580.37 549009.56958 (17122320) 644341.01 4199680.37 564650.85045 (15011205)
644441.01 4199680.37 610769.87056 (14120608) 644541.01 4199680.37 642769.48137 (14120608)
644641.01 4199680.37 682526.43831 (14021223) 644741.01 4199680.37 758059.22117 (16010309)
644841.01 4199680.37 881585.73680 (16010309) 644941.01 4199680.37 872452.36856 (16010309)
645041.01 4199680.37 858815.85724 (14120701) 645141.01 4199680.37 901379.46438 (14021301)
645241.01 4199680.37 1004913.58560 (15022608) 645341.01 4199680.37 1048993.44080 (13011517)
645441.01 4199680.37 1035835.00978 (17122918) 645541.01 4199680.37 1111624.69309 (15012509)
645641.01 4199680.37 1262051.74114 (17011609) 645741.01 4199680.37 1296018.01033 (17011609)

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        645841.01   4199680.37  1289576.08568  (17123009)                645941.01   4199680.37  1212828.10669
(15011509)
        646041.01   4199680.37  1176379.28955  (17122917)                646141.01   4199680.37  1099174.08626
(17013024)
        646241.01   4199680.37  1069521.37881  (17122319)                646341.01   4199680.37  1031682.29323
(17122920)
        646441.01   4199680.37   959140.33242  (17020801)                646541.01   4199680.37   921378.99797
(17020801)
        646641.01   4199680.37   870271.65428  (13012517)                646741.01   4199680.37   861917.69278
(13012517)
        646841.01   4199680.37   799209.25272  (14121216)                646941.01   4199680.37   693840.65847
(17120121)
        647041.01   4199680.37   670285.65441  (14012217)                647141.01   4199680.37   630624.00520
(14012217)
        647241.01   4199680.37   606709.83472  (17122320)                647341.01   4199680.37   574318.88911
(17123017)
        644341.01   4199780.37   587158.58161  (17021403)                644441.01   4199780.37   626931.92983
(15011205)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	674620.13867	(14120608)	644641.01	4199780.37	727852.17691	(14120608)
644741.01	4199780.37	772101.26297	(14021223)	644841.01	4199780.37	865968.43665	(16010309)
644941.01	4199780.37	1007459.21885	(16010309)	645041.01	4199780.37	972389.90030	(16010309)
645141.01	4199780.37	999501.18681	(14120701)	645241.01	4199780.37	1047560.69973	(14021408)
645341.01	4199780.37	1159127.00468	(14021408)	645441.01	4199780.37	1180790.26491	(17122918)
645541.01	4199780.37	1192096.70009	(13012120)	645641.01	4199780.37	1364399.44133	(17011609)
645741.01	4199780.37	1486747.24736	(17011609)	645841.01	4199780.37	1451817.99940	(17123009)
645941.01	4199780.37	1360531.94126	(15011509)	646041.01	4199780.37	1304155.58616	(17122917)
646141.01	4199780.37	1228161.56455	(17012520)	646241.01	4199780.37	1193653.83707	(17122518)

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        646341.01   4199780.37  1120040.96671  (17012903)              646441.01   4199780.37  1087028.66716
(17020801)
        646541.01   4199780.37   986787.95708  (17120120)              646641.01   4199780.37   989663.90351
(13012517)
        646741.01   4199780.37   917997.32511  (14121216)              646841.01   4199780.37   785838.03589
(17120121)
        646941.01   4199780.37   756938.22668  (14012217)              647041.01   4199780.37   709625.79874
(17122320)
        647141.01   4199780.37   672561.89797  (17122320)              647241.01   4199780.37   640263.67827
(17123017)
        647341.01   4199780.37   630276.99821  (17011509)              644341.01   4199880.37   645134.98729
(17120517)
        644441.01   4199880.37   657030.03553  (17021403)              644541.01   4199880.37   703676.69352
(15032607)
        644641.01   4199880.37   755368.50410  (13010908)              644741.01   4199880.37   830084.76379
(14120608)
        644841.01   4199880.37   883083.03933  (14021223)              644941.01   4199880.37  1002562.24160
(16010309)
        645041.01   4199880.37  1165309.41445  (16010309)              645141.01   4199880.37  1087702.03649
(16010309)
        645241.01   4199880.37  1168026.45121  (14021122)              645341.01   4199880.37  1295306.09744
(14021408)
        645441.01   4199880.37  1365617.26798  (13011517)              645541.01   4199880.37  1349667.60328
(14021105)
        645641.01   4199880.37  1469958.93541  (15012509)              645741.01   4199880.37  1717232.55630
(17011609)
        645841.01   4199880.37  1652339.72860  (17123009)              645941.01   4199880.37  1538368.71739
(15011509)
        646041.01   4199880.37  1440276.71287  (17122917)              646141.01   4199880.37  1370101.56939
(17122319)
        646241.01   4199880.37  1339644.08423  (17122920)              646341.01   4199880.37  1243781.77984
(17020801)
        646441.01   4199880.37  1137282.08198  (17020801)              646541.01   4199880.37  1142802.06323
(13012517)
        646641.01   4199880.37  1067814.50727  (14121216)              646741.01   4199880.37   901437.92836
(17120121)
        646841.01   4199880.37   865490.53860  (14012217)              646941.01   4199880.37   810738.77320
(17122320)
        647041.01   4199880.37   751901.57518  (17123017)              647141.01   4199880.37   712371.16548
(17123017)
        647241.01   4199880.37   738286.22124  (17011509)              647341.01   4199880.37   724811.17334
(17011509)
        644341.01   4199980.37   658789.02141  (17121504)              644441.01   4199980.37   727630.28036
(17120517)
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644541.01	4199980.37	762249.62123	(17120517)		644641.01	4199980.37	792875.63447	(17021403)
644741.01	4199980.37	860275.85318	(15011205)		644841.01	4199980.37	954563.37755	(14120608)
644941.01	4199980.37	1023063.60713	(14021223)		645041.01	4199980.37	1179832.32313	(16010309)
645141.01	4199980.37	1367042.19852	(16010309)		645241.01	4199980.37	1270337.50686	(14120701)
645341.01	4199980.37	1376925.72188	(13020205)		645441.01	4199980.37	1552422.99710	(14021408)
645541.01	4199980.37	1573349.24491	(17122918)		645641.01	4199980.37	1700942.60561	(15012509)
645741.01	4199980.37	1997727.89233	(17011609)		645841.01	4199980.37	1904782.01595	(17123009)
645941.01	4199980.37	1755196.02479	(15011509)		646041.01	4199980.37	1641324.95807	(17013024)
646141.01	4199980.37	1577635.14397	(17122319)		646241.01	4199980.37	1481653.51315	(17012903)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	1412177.28499	(17020801)	646441.01	4199980.37	1325518.09619	(13012517)
646541.01	4199980.37	1258915.90177	(14121216)	646641.01	4199980.37	1054510.87397	(14121216)
646741.01	4199980.37	1003427.47340	(14012217)	646841.01	4199980.37	934371.02338	(17122320)
646941.01	4199980.37	867602.34054	(17123017)	647041.01	4199980.37	851862.12166	(17011509)
647141.01	4199980.37	858155.31759	(17011509)	647241.01	4199980.37	805513.44067	(17011509)
647341.01	4199980.37	714169.64291	(17011509)	644341.01	4200080.37	692451.28740	(17021420)
644441.01	4200080.37	732874.27606	(17013106)	644541.01	4200080.37	800656.36107	(17120517)
644641.01	4200080.37	887348.09188	(17120517)	644741.01	4200080.37	913798.84022	(17120517)
644841.01	4200080.37	996350.42266	(15032607)	644941.01	4200080.37	1107077.48175	(14120608)

645041.01	4200080.37	1203457.24155	(14021223)	645141.01	4200080.37	1417586.31269	(16010309)
645241.01	4200080.37	1630828.95700	(16010309)	645341.01	4200080.37	1576171.00554	(14120701)
645441.01	4200080.37	1765592.45652	(14021408)	645541.01	4200080.37	1885096.06154	(13011517)
645641.01	4200080.37	1931092.86068	(15012509)	645741.01	4200080.37	2338821.49979	(17011609)
645841.01	4200080.37	2232535.67615	(17123009)	645941.01	4200080.37	2037395.43338	(17122917)
646041.01	4200080.37	1918188.77221	(17013024)	646141.01	4200080.37	1845913.90006	(17122318)
646241.01	4200080.37	1701385.67317	(17020801)	646341.01	4200080.37	1539404.93336	(13012517)
646441.01	4200080.37	1508664.80640	(14121216)	646541.01	4200080.37	1273446.36422	(14121216)
646641.01	4200080.37	1183641.16655	(14012217)	646741.01	4200080.37	1087291.49175	(17122320)
646841.01	4200080.37	1002681.88398	(17123017)	646941.01	4200080.37	1028842.26618	(17011509)
647041.01	4200080.37	984019.60905	(17011509)	647141.01	4200080.37	875507.57717	(17011509)
647241.01	4200080.37	735724.26378	(17011509)	647341.01	4200080.37	591242.30400	(17122619)
644341.01	4200180.37	721378.11322	(17021308)	644441.01	4200180.37	780595.40887	(17021420)
644541.01	4200180.37	845215.76590	(17021420)	644641.01	4200180.37	900971.63139	(17013106)
644741.01	4200180.37	1006791.34222	(17120517)	644841.01	4200180.37	1111019.33283	(17120517)
644941.01	4200180.37	1165028.68402	(17021403)	645041.01	4200180.37	1297077.04172	(13010908)
645141.01	4200180.37	1449672.57773	(14120608)	645241.01	4200180.37	1749258.90832	(16010309)
645341.01	4200180.37	1984889.71544	(16010309)	645441.01	4200180.37	1969255.39732	(14021122)
645541.01	4200180.37	2244885.40985	(14021408)	645641.01	4200180.37	2242820.50018	(14021105)
645741.01	4200180.37	2754233.95314	(17011609)	645841.01	4200180.37	2680957.07678	(15011209)
645941.01	4200180.37	2465405.64443	(17122917)	646041.01	4200180.37	2255786.95823	(17012520)
646141.01	4200180.37	2120093.03454	(16022508)	646241.01	4200180.37	1933898.18112	(17020801)

646341.01 4200180.37 1854451.33117 (13012517) 646441.01 4200180.37 1576761.78983 (14121216)
646541.01 4200180.37 1425366.51790 (14012217) 646641.01 4200180.37 1278354.84315 (17122320)
646741.01 4200180.37 1246595.49762 (17011509) 646841.01 4200180.37 1230409.20207 (17011509)
646941.01 4200180.37 1103569.96916 (17011509) 647041.01 4200180.37 920056.06255 (17011509)
647141.01 4200180.37 725818.39796 (17011509) 647241.01 4200180.37 672529.40727 (17122619)
647341.01 4200180.37 609650.27955 (17122619) 644341.01 4200280.37 755182.05643 (17021308)
644441.01 4200280.37 834338.73920 (17021308) 644541.01 4200280.37 899721.79110 (17021308)
644641.01 4200280.37 957259.51362 (17021420) 644741.01 4200280.37 1064838.01635 (17021420)
644841.01 4200280.37 1148900.22892 (17013106) 644941.01 4200280.37 1318005.03989 (17120517)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	1438214.57409	(17120517)	645141.01	4200280.37	1586240.35565	(15032607)
645241.01	4200280.37	1826534.65958	(14120608)	645341.01	4200280.37	2237951.41009	(16010309)
645441.01	4200280.37	2471673.15601	(16010309)	645541.01	4200280.37	2627596.77048	(14021408)
645641.01	4200280.37	2843322.20406	(13011517)	645741.01	4200280.37	3256503.41686	(17011609)
645841.01	4200280.37	3308029.28826	(15011209)	645941.01	4200280.37	3020153.33919	(17122917)
646041.01	4200280.37	2743343.58850	(17122318)	646141.01	4200280.37	2529660.25348	(17020801)
646241.01	4200280.37	2356319.39806	(13012517)	646341.01	4200280.37	2018726.29305	(14121216)
646441.01	4200280.37	1763616.32909	(14012217)	646541.01	4200280.37	1563560.37719	(17123017)
646641.01	4200280.37	1581134.69818	(17011509)	646741.01	4200280.37	1442638.83990	(17011509)

646841.01 4200280.37 1193770.07917 (17011509) 646941.01 4200280.37 919553.67133 (17011509)
647041.01 4200280.37 828321.30957 (17122619) 647141.01 4200280.37 742854.38269 (17020824)
647241.01 4200280.37 701697.68320 (15060806) 647341.01 4200280.37 668960.68196 (15060806)
644341.01 4200380.37 740069.74785 (17121207) 644441.01 4200380.37 812508.55128 (17123023)
644541.01 4200380.37 895084.05779 (17123023) 644641.01 4200380.37 1020944.36732 (17021308)
644741.01 4200380.37 1148512.47378 (17021308) 644841.01 4200380.37 1248054.10781 (17021308)
644941.01 4200380.37 1401498.22044 (17021420) 645041.01 4200380.37 1545313.95334 (17013106)
645141.01 4200380.37 1828653.52917 (17120517) 645241.01 4200380.37 2001940.43185 (15032607)
645341.01 4200380.37 2382769.67613 (14120608) 645441.01 4200380.37 3015520.94392 (16010309)
645541.01 4200380.37 3150059.44226 (16010309) 645641.01 4200380.37 3698460.36072 (14021408)
645741.01 4200380.37 3850464.52992 (17011609) 645841.01 4200380.37 4222543.03997 (15011209)
645941.01 4200380.37 3741536.66525 (17122917) 646041.01 4200380.37 3408729.37890 (17122318)
646141.01 4200380.37 3057068.30465 (13012517) 646241.01 4200380.37 2705581.65248 (14121216)
646341.01 4200380.37 2263504.48068 (14012217) 646441.01 4200380.37 2093187.91074 (17011509)
646541.01 4200380.37 1981855.20093 (17011509) 646641.01 4200380.37 1629367.32194 (17011509)
646741.01 4200380.37 1216776.45858 (17011509) 646841.01 4200380.37 1055440.76577 (17122619)
646941.01 4200380.37 958187.66200 (15060806) 647041.01 4200380.37 899684.77663 (15060806)
647141.01 4200380.37 831859.84084 (15060806) 647241.01 4200380.37 761020.16498 (15060806)
647341.01 4200380.37 691346.53099 (15060806) 644341.01 4200480.37 766066.74912 (15011009)
644441.01 4200480.37 830043.23585 (17011605) 644541.01 4200480.37 907211.52667 (17012823)
644641.01 4200480.37 1008180.81052 (17012823) 644741.01 4200480.37 1116352.17715 (17121207)
644841.01 4200480.37 1274933.56167 (17123023) 644941.01 4200480.37 1502973.68187 (17021308)

645041.01	4200480.37	1739476.78141	(17021308)	645141.01	4200480.37	1968834.86559	(17021420)
645241.01	4200480.37	2261662.06327	(17013106)	645341.01	4200480.37	2777513.91859	(17120517)
645441.01	4200480.37	3253259.29836	(14120608)	645541.01	4200480.37	4391996.28392	(16010309)
645641.01	4200480.37	4615707.22625	(14021408)	645741.01	4200480.37	4971775.42840	(13011517)
645841.01	4200480.37	5673648.08015	(15011209)	645941.01	4200480.37	4857943.00763	(17013024)
646041.01	4200480.37	4353663.20328	(17020801)	646141.01	4200480.37	3890429.47146	(14121216)
646241.01	4200480.37	3061075.92944	(14012217)	646341.01	4200480.37	2918973.16669	(17011509)
646441.01	4200480.37	2403530.30800	(17011509)	646541.01	4200480.37	1717779.58370	(17011509)
646641.01	4200480.37	1438362.98615	(15060806)	646741.01	4200480.37	1321399.10347	(15060806)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	1187244.57672	(15060806)	646941.01	4200480.37	1052288.06010	(15060806)
647041.01	4200480.37	925377.19288	(15060806)	647141.01	4200480.37	810378.91803	(15060806)
647241.01	4200480.37	742389.98756	(14012017)	647341.01	4200480.37	687367.85108	(14012017)
644341.01	4200580.37	856773.38665	(15011009)	644441.01	4200580.37	937145.83693	(15011009)
644541.01	4200580.37	1026695.37615	(15011009)	644641.01	4200580.37	1124282.75294	(15011009)
644741.01	4200580.37	1230482.41592	(15011009)	644841.01	4200580.37	1343402.22988	(15011009)
644941.01	4200580.37	1486143.34386	(17011605)	645041.01	4200580.37	1723839.61575	(17012823)
645141.01	4200580.37	2044105.79279	(17123023)	645241.01	4200580.37	2572045.98770	(17021308)
645341.01	4200580.37	3143437.14308	(17021308)	645441.01	4200580.37	3843099.10134	(17121504)

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       645541.01   4200580.37  5054544.00489  (15032607)              645641.01   4200580.37  7307972.65167
(16010309)
       645741.01   4200580.37  7926503.81355  (14021408)              645841.01   4200580.37  8562684.17472
(17011609)
       645941.01   4200580.37  6988625.11903  (17122318)              646041.01   4200580.37  6255549.79143
(14121216)
       646141.01   4200580.37  4764439.23023  (17011509)              646241.01   4200580.37  4032743.73689
(17011509)
       646341.01   4200580.37  2693736.76910  (17011509)              646441.01   4200580.37  2256227.47148
(15060806)
       646541.01   4200580.37  1922279.38678  (15060806)              646641.01   4200580.37  1611368.54851
(15060806)
       646741.01   4200580.37  1342316.67839  (15060806)              646841.01   4200580.37  1183247.30152
(14012017)
       646941.01   4200580.37  1052771.19484  (14012017)              647041.01   4200580.37   936166.74851
(14012017)
       647141.01   4200580.37   833475.76061  (14012017)              647241.01   4200580.37   748122.17871
(17122519)
       647341.01   4200580.37   685020.18098  (17122519)              644341.01   4200680.37   853070.41250
(13121509)
       644441.01   4200680.37   930298.92731  (13121509)              644541.01   4200680.37  1020218.39857
(13121509)
       644641.01   4200680.37  1124973.96056  (13121509)              644741.01   4200680.37  1251400.34824
(15011009)
       644841.01   4200680.37  1442565.31538  (15011009)              644941.01   4200680.37  1677529.31088
(15011009)
       645041.01   4200680.37  1972235.06063  (15011009)              645141.01   4200680.37  2344039.74613
(15011009)
       645241.01   4200680.37  2822285.62671  (15011009)              645341.01   4200680.37  3436051.00410
(15011009)
       645441.01   4200680.37  4243810.63928  (15011009)              645541.01   4200680.37  6411923.60282
(17021308)
       645641.01   4200680.37  ************  (17120517)              645741.01   4200680.37  ************
(16010309)
       645841.01   4200680.37  ************  (17011609)              645941.01   4200680.37  ************
(14121216)
       646041.01   4200680.37  9047621.96643  (17011509)              646141.01   4200680.37  5483376.79014
(15060806)
       646241.01   4200680.37  4052901.23063  (15060806)              646341.01   4200680.37  2979329.51128
(15060806)
       646441.01   4200680.37  2360133.78133  (14012017)              646541.01   4200680.37  1918672.65696
(14012017)
       646641.01   4200680.37  1588903.53360  (17122519)              646741.01   4200680.37  1358653.79471
(17122519)
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       646841.01   4200680.37  1172316.12089  (17122519)              646941.01   4200680.37  1026765.43788
(17122719)
       647041.01   4200680.37   912605.53208  (17122719)              647141.01   4200680.37   818704.51038
(17122621)
       647241.01   4200680.37   746091.15924  (17122621)              647341.01   4200680.37   683248.90514
(17122621)
       644341.01   4200780.37   815695.57561  (13121509)              644441.01   4200780.37   896885.17298
(13121509)
       644541.01   4200780.37   992843.34987  (13121509)              644641.01   4200780.37  1107379.84857
(13121509)
       644741.01   4200780.37  1246383.07624  (13121509)              644841.01   4200780.37  1417764.38515
(13121509)
       644941.01   4200780.37  1633837.06702  (13121509)              645041.01   4200780.37  1911748.36968
(13121509)
       645141.01   4200780.37  2280657.40937  (13121509)              645241.01   4200780.37  2789108.09287
(13121509)
       645341.01   4200780.37  3520584.50047  (13121509)              645441.01   4200780.37  4654482.63963
(13121509)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	6587536.45091	(13121509)	645641.01	4200780.37	**********	(13121509)
645741.01	4200780.37	**********	(13121509)	646041.01	4200780.37	**********	(14092807)
646141.01	4200780.37	5975015.03451	(14022208)	646241.01	4200780.37	4154704.89105	(14022208)
646341.01	4200780.37	3113153.97970	(14022208)	646441.01	4200780.37	2450318.77727	(14022208)
646541.01	4200780.37	1995636.69806	(14022208)	646641.01	4200780.37	1668243.94525	(14022208)
646741.01	4200780.37	1422740.66519	(14022208)	646841.01	4200780.37	1232899.75205	(14022208)
646941.01	4200780.37	1082355.16197	(14022208)	647041.01	4200780.37	960603.69256	(14022208)
647141.01	4200780.37	860276.69000	(14022208)	647241.01	4200780.37	776523.20119	(14022208)
647341.01	4200780.37	705808.86412	(14022208)	644341.01	4200880.37	784079.73215	(17013107)

644441.01 4200880.37 856180.71740 (17013107) 644541.01 4200880.37 939365.71667 (17013107)
644641.01 4200880.37 1041470.83248 (17122903) 644741.01 4200880.37 1174155.90317 (17011121)
644841.01 4200880.37 1336000.84963 (17011121) 644941.01 4200880.37 1532645.84708 (17011121)
645041.01 4200880.37 1773601.03642 (17011121) 645141.01 4200880.37 2124204.20465 (13122609)
645241.01 4200880.37 2583790.80397 (13122609) 645341.01 4200880.37 3163814.72533 (13122609)
645441.01 4200880.37 3866111.30503 (17122608) 645541.01 4200880.37 5107428.68434 (17011201)
645641.01 4200880.37 7103783.57256 (14022108) 645741.01 4200880.37 ********** (14060906)
645841.01 4200880.37 ********** (15090607) 645941.01 4200880.37 ********** (15032706)
646041.01 4200880.37 ********** (14091107) 646141.01 4200880.37 6108661.16905 (16091407)
646241.01 4200880.37 4242847.35764 (13032807) 646341.01 4200880.37 3125077.07850 (13032807)
646441.01 4200880.37 2491685.86709 (15021908) 646541.01 4200880.37 2031798.80262 (15021908)
646641.01 4200880.37 1686590.46985 (15021908) 646741.01 4200880.37 1464672.96407 (14022208)
646841.01 4200880.37 1288770.98924 (14022208) 646941.01 4200880.37 1144496.04024 (14022208)
647041.01 4200880.37 1024969.58605 (14022208) 647141.01 4200880.37 923833.57510 (14022208)
647241.01 4200880.37 839127.45438 (14022208) 647341.01 4200880.37 765300.04095 (14022208)
644341.01 4200980.37 778702.33336 (13122609) 644441.01 4200980.37 862654.31948 (13122609)
644541.01 4200980.37 956288.60090 (13122609) 644641.01 4200980.37 1060935.27444 (13122609)
644741.01 4200980.37 1177780.65323 (13122609) 644841.01 4200980.37 1305362.84880 (13122609)
644941.01 4200980.37 1440607.11949 (13122609) 645041.01 4200980.37 1662241.94951 (17122608)
645141.01 4200980.37 1927978.86159 (17122608) 645241.01 4200980.37 2347653.12784 (17011201)
645341.01 4200980.37 2766367.23191 (17121007) 645441.01 4200980.37 3454277.82062 (17020404)
645541.01 4200980.37 4445085.13060 (14060906) 645641.01 4200980.37 5632644.70414 (14060906)

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       645741.01   4200980.37  7630191.06882  (15090607)              645841.01   4200980.37  9762903.68160
(17012717)
       645941.01   4200980.37  *************  (17022508)              646041.01   4200980.37  7338613.49048
(14011617)
       646141.01   4200980.37  5084751.67501  (17121119)              646241.01   4200980.37  4069338.56115
(14091107)
       646341.01   4200980.37  3096010.20674  (14091107)              646441.01   4200980.37  2389977.66834
(16091407)
       646541.01   4200980.37  1954175.17407  (13032807)              646641.01   4200980.37  1685587.22401
(13032807)
       646741.01   4200980.37  1442672.80350  (13032807)              646841.01   4200980.37  1232675.05819
(13032807)
       646941.01   4200980.37  1077927.92714  (15021908)              647041.01   4200980.37   971969.77652
(15021908)
       647141.01   4200980.37   878260.10610  (15021908)              647241.01   4200980.37   795766.22038
(15021908)
       647341.01   4200980.37   723403.20071  (15021908)              644341.01   4201080.37   761164.19896
(13122609)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	808850.38900	(13122609)	644541.01	4201080.37	880736.74429	(17122608)
644641.01	4201080.37	984795.07910	(17122608)	644741.01	4201080.37	1091521.47942	(17122608)
644841.01	4201080.37	1230802.99659	(17011201)	644941.01	4201080.37	1418000.43509	(17011201)
645041.01	4201080.37	1583947.54496	(17011201)	645141.01	4201080.37	1852961.62646	(17020404)
645241.01	4201080.37	2150506.40727	(17020404)	645341.01	4201080.37	2467646.98865	(16010209)
645441.01	4201080.37	3115073.90117	(14060906)	645541.01	4201080.37	3427435.61341	(14060906)
645641.01	4201080.37	4644462.41609	(15090607)	645741.01	4201080.37	5266012.84202	(16022908)
645841.01	4201080.37	5916528.87768	(14122309)	645941.01	4201080.37	6093588.50262	(17022508)
646041.01	4201080.37	5040382.89609	(15123109)	646141.01	4201080.37	4175823.99856	(14011617)

646241.01 4201080.37 3234461.41530 (17123020) 646341.01 4201080.37 2597319.11853 (17121119)
646441.01 4201080.37 2322752.66254 (14091107) 646541.01 4201080.37 1969668.25890 (14091107)
646641.01 4201080.37 1620737.01400 (14011317) 646741.01 4201080.37 1369977.84406 (16091407)
646841.01 4201080.37 1203449.79796 (16091407) 646941.01 4201080.37 1066965.37345 (13032807)
647041.01 4201080.37 971824.85794 (13032807) 647141.01 4201080.37 878107.98028 (13032807)
647241.01 4201080.37 789923.97221 (13032807) 647341.01 4201080.37 708825.83052 (13032807)
644341.01 4201180.37 728839.24974 (17122608) 644441.01 4201180.37 789044.40842 (17123105)
644541.01 4201180.37 879351.24792 (17011201) 644641.01 4201180.37 979137.23780 (17011201)
644741.01 4201180.37 1065660.30926 (17011201) 644841.01 4201180.37 1182609.22023 (17122805)
644941.01 4201180.37 1354293.22740 (17020404) 645041.01 4201180.37 1500224.70436 (17020404)
645141.01 4201180.37 1629646.13889 (16010209) 645241.01 4201180.37 1927578.84303 (14060906)
645341.01 4201180.37 2291275.69051 (14060906) 645441.01 4201180.37 2362669.05962 (17122909)
645541.01 4201180.37 3156358.28419 (15090607) 645641.01 4201180.37 3495580.97523 (16022908)
645741.01 4201180.37 3905694.09132 (17012717) 645841.01 4201180.37 4196067.02051 (14122309)
645941.01 4201180.37 3908187.44984 (17012905) 646041.01 4201180.37 4039967.60545 (17022508)
646141.01 4201180.37 3405701.69085 (15123109) 646241.01 4201180.37 2810774.32494 (14011617)
646341.01 4201180.37 2295924.57206 (17013020) 646441.01 4201180.37 1987277.52623 (17121119)
646541.01 4201180.37 1662147.65509 (13121617) 646641.01 4201180.37 1556789.15947 (14091107)
646741.01 4201180.37 1393698.21810 (14091107) 646841.01 4201180.37 1195726.04543 (14091107)
646941.01 4201180.37 1049004.44147 (14011317) 647041.01 4201180.37 922232.87433 (16091407)
647141.01 4201180.37 840179.22593 (16091407) 647241.01 4201180.37 758223.41985 (16091407)
647341.01 4201180.37 701604.41286 (13032807) 644341.01 4201280.37 730851.70827 (17011201)

644441.01 4201280.37 782611.19074 (17010620) 644541.01 4201280.37 848566.32897 (17122805)
644641.01 4201280.37 929847.36378 (17121007) 644741.01 4201280.37 1044989.33088 (17020404)
644841.01 4201280.37 1123480.05758 (17020404) 644941.01 4201280.37 1195689.71845 (17122402)
645041.01 4201280.37 1355551.53949 (15030108) 645141.01 4201280.37 1582205.16070 (14060906)
645241.01 4201280.37 1750378.02214 (14060906) 645341.01 4201280.37 1792538.26030 (17122909)
645441.01 4201280.37 2276612.93250 (15090607) 645541.01 4201280.37 2621342.18402 (15090607)
645641.01 4201280.37 2872609.83869 (16022908) 645741.01 4201280.37 3238852.81498 (17012717)
645841.01 4201280.37 3179945.78724 (14122309) 645941.01 4201280.37 2937552.02900 (17012905)
646041.01 4201280.37 3274015.10024 (17022508) 646141.01 4201280.37 2629327.64967 (17021405)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	2423907.08072	(15123109)	646341.01	4201280.37	2068463.38731	(14011617)
646441.01	4201280.37	1767967.40722	(17022407)	646541.01	4201280.37	1564977.65563	(17123020)
646641.01	4201280.37	1369529.20179	(17121119)	646741.01	4201280.37	1196770.39290	(13121617)
646841.01	4201280.37	1140816.81119	(14091107)	646941.01	4201280.37	1053897.67863	(14091107)
647041.01	4201280.37	939675.43317	(14091107)	647141.01	4201280.37	835605.16741	(14011317)
647241.01	4201280.37	751655.76062	(14011317)	647341.01	4201280.37	679239.20211	(16091407)
644341.01	4201380.37	698557.18723	(17122805)	644441.01	4201380.37	763927.81174	(17020404)
644541.01	4201380.37	837634.81241	(17020404)	644641.01	4201380.37	882673.86362	(17020404)
644741.01	4201380.37	930641.91035	(17122402)	644841.01	4201380.37	1025970.97058	(16010209)

644941.01 4201380.37 1152813.72907 (15030108) 645041.01 4201380.37 1311054.16716 (14060906)
645141.01 4201380.37 1378268.66103 (14060906) 645241.01 4201380.37 1419090.81292 (17122909)
645341.01 4201380.37 1749085.67890 (17122909) 645441.01 4201380.37 2081768.44460 (15090607)
645541.01 4201380.37 2183670.74739 (16022908) 645641.01 4201380.37 2305499.64343 (13123109)
645741.01 4201380.37 2642388.96736 (17012717) 645841.01 4201380.37 2508787.33320 (14122309)
645941.01 4201380.37 2327772.07658 (15011909) 646041.01 4201380.37 2506443.94661 (17022508)
646141.01 4201380.37 2249333.65589 (17022508) 646241.01 4201380.37 1951126.42418 (17022324)
646341.01 4201380.37 1805921.51421 (15123109) 646441.01 4201380.37 1614248.01863 (17022408)
646541.01 4201380.37 1427511.24069 (14011617) 646641.01 4201380.37 1251840.15918 (17123020)
646741.01 4201380.37 1141992.77066 (17121119) 646841.01 4201380.37 1003044.07954 (17121119)
646941.01 4201380.37 917090.52531 (13121617) 647041.01 4201380.37 884686.48384 (14091107)
647141.01 4201380.37 834235.12205 (14091107) 647241.01 4201380.37 763581.25536 (14091107)
647341.01 4201380.37 683678.23287 (14091107) 644341.01 4201480.37 690794.28704 (17020404)
644441.01 4201480.37 717250.02880 (17020404) 644541.01 4201480.37 752295.96234 (17122402)
644641.01 4201480.37 810316.95495 (16010209) 644741.01 4201480.37 898616.17362 (15030108)
644841.01 4201480.37 1000066.55284 (14060906) 644941.01 4201480.37 1098512.48578 (14060906)
645041.01 4201480.37 1112559.99036 (14060906) 645141.01 4201480.37 1159390.81236 (17122909)
645241.01 4201480.37 1419039.53743 (17122909) 645341.01 4201480.37 1673914.89816 (15090607)
645441.01 4201480.37 1641900.12684 (15090607) 645541.01 4201480.37 1886670.08209 (16022908)
645641.01 4201480.37 1932721.71668 (13123109) 645741.01 4201480.37 2152232.19674 (17012717)
645841.01 4201480.37 2043945.09331 (14122309) 645941.01 4201480.37 1959571.91185 (15011909)
646041.01 4201480.37 1869317.38693 (17022508) 646141.01 4201480.37 2055862.00547 (17022508)

646241.01 4201480.37 1676524.59075 (17021405) 646341.01 4201480.37 1602786.73899 (15123109)
646441.01 4201480.37 1411891.53533 (17122321) 646541.01 4201480.37 1309214.04166 (17022408)
646641.01 4201480.37 1188367.30617 (14011617) 646741.01 4201480.37 1041571.68474 (17013020)
646841.01 4201480.37 972405.20358 (17123020) 646941.01 4201480.37 884229.87395 (17121119)
647041.01 4201480.37 774936.93097 (13121617) 647141.01 4201480.37 733325.57433 (13121617)
647241.01 4201480.37 713929.24005 (14091107) 647341.01 4201480.37 683329.27939 (14091107)
644341.01 4201580.37 626652.21160 (17120905) 644441.01 4201580.37 664118.70859 (17043004)
644541.01 4201580.37 721931.68782 (16010209) 644641.01 4201580.37 792623.83197 (15030108)
644741.01 4201580.37 878398.93853 (14060906) 644841.01 4201580.37 931217.30738 (14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	916926.36131	(14060906)	645041.01	4201580.37	970278.40036	(17122909)
645141.01	4201580.37	1179456.36705	(17122909)	645241.01	4201580.37	1364296.63665	(15090607)
645341.01	4201580.37	1432435.82632	(15090607)	645441.01	4201580.37	1531778.08720	(16022908)
645541.01	4201580.37	1536245.30497	(13123109)	645641.01	4201580.37	1716268.23122	(17012717)
645741.01	4201580.37	1761160.44351	(17012717)	645841.01	4201580.37	1705947.45338	(14122309)
645941.01	4201580.37	1678730.93935	(15011909)	646041.01	4201580.37	1576024.73012	(17120207)
646141.01	4201580.37	1763558.30311	(17022508)	646241.01	4201580.37	1476491.56274	(17022508)
646341.01	4201580.37	1375660.32954	(17021405)	646441.01	4201580.37	1328603.67616	(15123109)
646541.01	4201580.37	1173299.56186	(17122321)	646641.01	4201580.37	1091034.99342	(17022408)

646741.01 4201580.37 1009461.80720 (14011617) 646841.01 4201580.37 886223.15047 (17013020)
646941.01 4201580.37 833182.98696 (17123020) 647041.01 4201580.37 770234.69935 (17121119)
647141.01 4201580.37 703322.46010 (17121119) 647241.01 4201580.37 638386.35341 (13121617)
647341.01 4201580.37 604753.61804 (13121617) 644341.01 4201680.37 603085.26429 (16010209)
644441.01 4201680.37 654326.37587 (15030108) 644541.01 4201680.37 711102.31383 (14060906)
644641.01 4201680.37 774744.50826 (14060906) 644741.01 4201680.37 798351.28676 (14060906)
644841.01 4201680.37 768962.07949 (14060906) 644941.01 4201680.37 827582.99059 (17122909)
645041.01 4201680.37 999383.39813 (17122909) 645141.01 4201680.37 1127011.64886 (15090607)
645241.01 4201680.37 1240063.59833 (15090607) 645341.01 4201680.37 1196963.42115 (16022908)
645441.01 4201680.37 1366484.72228 (16022908) 645541.01 4201680.37 1390090.83812 (13123109)
645641.01 4201680.37 1544131.48236 (17012717) 645741.01 4201680.37 1452941.00005 (17012717)
645841.01 4201680.37 1452232.41011 (14122309) 645941.01 4201680.37 1458493.75060 (15011909)
646041.01 4201680.37 1366172.41693 (17120207) 646141.01 4201680.37 1458668.72493 (17022508)
646241.01 4201680.37 1425315.74690 (17022508) 646341.01 4201680.37 1183980.25022 (17021405)
646441.01 4201680.37 1124897.26049 (17022324) 646541.01 4201680.37 1109568.13188 (15123109)
646641.01 4201680.37 994557.34405 (17122321) 646741.01 4201680.37 928859.89489 (17022408)
646841.01 4201680.37 871731.43718 (14011617) 646941.01 4201680.37 774206.28148 (17120122)
647041.01 4201680.37 714325.35835 (17123020) 647141.01 4201680.37 682343.08887 (17123020)
647241.01 4201680.37 634288.40662 (17121119) 647341.01 4201680.37 572197.49858 (17121119)
644341.01 4201780.37 590608.19493 (15030108) 644441.01 4201780.37 643947.33472 (14060906)
644541.01 4201780.37 684718.84263 (14060906) 644641.01 4201780.37 691504.88881 (14060906)
644741.01 4201780.37 671560.08188 (17010902) 644841.01 4201780.37 716658.78848 (17122909)

644941.01 4201780.37 860277.04915 (17122909) 645041.01 4201780.37 942828.06867 (15090607)
645141.01 4201780.37 1072263.83306 (15090607) 645241.01 4201780.37 1030276.55029 (15090607)
645341.01 4201780.37 1153395.57608 (16022908) 645441.01 4201780.37 1157932.90766 (16022908)
645541.01 4201780.37 1219559.06218 (13123109) 645641.01 4201780.37 1374132.54652 (17012717)
645741.01 4201780.37 1259680.26002 (14122309) 645841.01 4201780.37 1255384.98468 (14122309)
645941.01 4201780.37 1281218.32914 (15011909) 646041.01 4201780.37 1187196.29504 (17012905)
646141.01 4201780.37 1181659.67974 (17022508) 646241.01 4201780.37 1303055.04861 (17022508)
646341.01 4201780.37 1065125.54921 (14021508) 646441.01 4201780.37 1031575.89496 (17021405)
646541.01 4201780.37 978311.39386 (15123109) 646641.01 4201780.37 934807.14024 (15123109)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	855562.94171	(17122321)	646841.01	4201780.37	803616.47719	(17022408)
646941.01	4201780.37	761851.89430	(14011617)	647041.01	4201780.37	683750.06118	(17022407)
647141.01	4201780.37	631725.55300	(17013020)	647241.01	4201780.37	607014.64833	(17123020)
647341.01	4201780.37	567359.11315	(17121119)	644341.01	4201880.37	583078.51049	(14060906)
644441.01	4201880.37	606949.32120	(14060906)	644541.01	4201880.37	602340.89214	(14060906)
644641.01	4201880.37	595807.84641	(17010902)	644741.01	4201880.37	628595.73052	(17122909)
644841.01	4201880.37	750248.45131	(17122909)	644941.01	4201880.37	807456.56264	(17122909)
645041.01	4201880.37	929384.90595	(15090607)	645141.01	4201880.37	938398.35308	(15090607)
645241.01	4201880.37	941643.81535	(16022908)	645341.01	4201880.37	1051258.42655	(16022908)

645441.01	4201880.37	1041199.60602	(13123109)	645541.01	4201880.37	1077834.68540	(17012717)
645641.01	4201880.37	1214843.66435	(17012717)	645741.01	4201880.37	1126668.50841	(14122309)
645841.01	4201880.37	1099251.26019	(14122309)	645941.01	4201880.37	1138122.42053	(15011909)
646041.01	4201880.37	1040655.65993	(17012905)	646141.01	4201880.37	1019912.77033	(17121401)
646241.01	4201880.37	1149388.82354	(17022508)	646341.01	4201880.37	1055303.92861	(17022508)
646441.01	4201880.37	903009.21213	(17012921)	646541.01	4201880.37	880227.49855	(17021405)
646641.01	4201880.37	865580.42128	(15123109)	646741.01	4201880.37	795955.51539	(15123109)
646841.01	4201880.37	746619.09661	(17122321)	646941.01	4201880.37	705428.74709	(17022408)
647041.01	4201880.37	674380.52488	(14011617)	647141.01	4201880.37	611338.06659	(17022407)
647241.01	4201880.37	565284.52050	(17013020)	647341.01	4201880.37	539394.52084	(17123020)
644341.01	4201980.37	540502.60839	(14060906)	644441.01	4201980.37	528475.59900	(14060906)
644541.01	4201980.37	533299.18324	(17010902)	644641.01	4201980.37	557225.55316	(17122909)
644741.01	4201980.37	661596.53467	(17122909)	644841.01	4201980.37	716848.58553	(17122909)
644941.01	4201980.37	808956.35907	(15090607)	645041.01	4201980.37	847740.73951	(15090607)
645141.01	4201980.37	769706.92146	(15090607)	645241.01	4201980.37	910592.61049	(16022908)
645341.01	4201980.37	918938.22346	(16022908)	645441.01	4201980.37	959096.04397	(13123109)
645541.01	4201980.37	1017791.01037	(17012717)	645641.01	4201980.37	1072525.15928	(17012717)
645741.01	4201980.37	1015195.61230	(14122309)	645841.01	4201980.37	974076.15921	(14122309)
645941.01	4201980.37	1019895.77670	(15011909)	646041.01	4201980.37	914910.81413	(17012905)
646141.01	4201980.37	912479.31548	(17120207)	646241.01	4201980.37	988512.88063	(17022508)
646341.01	4201980.37	1003088.89329	(17022508)	646441.01	4201980.37	830240.49467	(14021508)
646541.01	4201980.37	809202.90660	(17021405)	646641.01	4201980.37	760378.35001	(17022324)

646741.01 4201980.37 765285.74558 (15123109) 646841.01 4201980.37 684198.75173 (15123109)
646941.01 4201980.37 659440.92558 (17122321) 647041.01 4201980.37 626998.10096 (17022408)
647141.01 4201980.37 602711.79334 (14011617) 647241.01 4201980.37 550550.26896 (17022407)
647341.01 4201980.37 508047.85971 (17013020) 644341.01 4202080.37 466997.37616 (14060906)
644441.01 4202080.37 480982.69218 (17010902) 644541.01 4202080.37 498414.86600 (17122909)
644641.01 4202080.37 588848.83518 (17122909) 644741.01 4202080.37 641263.49018 (17122909)
644841.01 4202080.37 708020.62974 (15090607) 644941.01 4202080.37 763248.23289 (15090607)
645041.01 4202080.37 726835.30658 (15090607) 645141.01 4202080.37 766669.64446 (16022908)
645241.01 4202080.37 842811.89773 (16022908) 645341.01 4202080.37 807016.42190 (13123109)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	865467.24965	(13123109)	645541.01	4202080.37	950156.30190	(17012717)
645641.01	4202080.37	946452.71381	(17012717)	645741.01	4202080.37	919260.16742	(14122309)
645841.01	4202080.37	870397.68310	(14122309)	645941.01	4202080.37	920231.08665	(15011909)
646041.01	4202080.37	810045.70289	(16091507)	646141.01	4202080.37	835168.30958	(17120207)
646241.01	4202080.37	836341.36673	(17022508)	646341.01	4202080.37	921816.59347	(17022508)
646441.01	4202080.37	817571.42382	(17022508)	646541.01	4202080.37	724036.13825	(17012921)
646641.01	4202080.37	716404.22695	(17021405)	646741.01	4202080.37	678071.39132	(15123109)
646841.01	4202080.37	677874.03912	(15123109)	646941.01	4202080.37	603322.77263	(17122321)
647041.01	4202080.37	587408.70835	(17122321)	647141.01	4202080.37	561771.02870	(17022408)

647241.01	4202080.37	542886.32602	(14011617)	647341.01	4202080.37	498618.27231	(17022407)
644341.01	4202180.37	436690.47957	(17010902)	644441.01	4202180.37	449377.20476	(17122909)
644541.01	4202180.37	528478.39647	(17122909)	644641.01	4202180.37	577775.92180	(17122909)
644741.01	4202180.37	623017.56855	(15090607)	644841.01	4202180.37	686539.99941	(15090607)
644941.01	4202180.37	679043.87741	(15090607)	645041.01	4202180.37	634271.57479	(16022908)
645141.01	4202180.37	744489.67868	(16022908)	645241.01	4202180.37	754132.66300	(16022908)
645341.01	4202180.37	770324.34880	(13123109)	645441.01	4202180.37	769371.63250	(13123109)
645541.01	4202180.37	878869.52735	(17012717)	645641.01	4202180.37	835603.30909	(17012717)
645741.01	4202180.37	837124.54515	(14122309)	645841.01	4202180.37	785466.61500	(17122408)
645941.01	4202180.37	835786.40065	(15011909)	646041.01	4202180.37	742555.06969	(16091507)
646141.01	4202180.37	760169.10358	(17120207)	646241.01	4202180.37	739975.51920	(17121401)
646341.01	4202180.37	826630.13237	(17022508)	646441.01	4202180.37	796899.06561	(17022508)
646541.01	4202180.37	671813.56351	(14021508)	646641.01	4202180.37	654338.21694	(17021405)
646741.01	4202180.37	626062.88774	(17021405)	646841.01	4202180.37	622230.97227	(15123109)
646941.01	4202180.37	602376.12941	(15123109)	647041.01	4202180.37	546388.73663	(17122321)
647141.01	4202180.37	530025.76830	(17022408)	647241.01	4202180.37	507335.42266	(17022408)
647341.01	4202180.37	492672.81131	(14011617)	644341.01	4202280.37	408096.93091	(17122909)
644441.01	4202280.37	477633.54040	(17122909)	644541.01	4202280.37	523430.04571	(17122909)
644641.01	4202280.37	551077.12266	(15090607)	644741.01	4202280.37	618544.44553	(15090607)
644841.01	4202280.37	630329.99922	(15090607)	644941.01	4202280.37	576506.43328	(15090607)
645041.01	4202280.37	641289.99875	(16022908)	645141.01	4202280.37	696980.77774	(16022908)
645241.01	4202280.37	657060.57963	(16022908)	645341.01	4202280.37	718603.47439	(13123109)

645441.01	4202280.37	724583.77557	(17012717)	645541.01	4202280.37	808157.19868	(17012717)
645641.01	4202280.37	739301.25132	(17012717)	645741.01	4202280.37	765288.38998	(14122309)
645841.01	4202280.37	716600.59125	(17122408)	645941.01	4202280.37	763353.38897	(15011909)
646041.01	4202280.37	682649.77858	(16091507)	646141.01	4202280.37	690692.75594	(17012905)
646241.01	4202280.37	669618.53254	(17121401)	646341.01	4202280.37	728037.34281	(17022508)
646441.01	4202280.37	753715.39279	(17022508)	646541.01	4202280.37	654884.10342	(17022508)
646641.01	4202280.37	598654.58398	(17012921)	646741.01	4202280.37	595423.56198	(17021405)
646841.01	4202280.37	560912.35101	(17022324)	646941.01	4202280.37	569236.60131	(15123109)
647041.01	4202280.37	536874.09386	(15123109)	647141.01	4202280.37	497559.42554	(17122321)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	482165.85566	(17022408)	647341.01	4202280.37	461428.05633	(17022408)
645946.01	4200731.54	**********	(14012217)	645933.67	4200896.54	**********	(15123109)
645889.89	4200889.80	**********	(14060106)	645847.24	4200866.23	**********	(13123109)
645697.97	4200718.07	**********	(13040307)	645704.70	4200712.46	**********	(13040307)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	GRID-ID
SLINE1	1ST HIGHEST VALUE IS	78.58270	AT (	645741.01,	4200680.37,	1.52,	1.52,	0.00)	DC	
	2ND HIGHEST VALUE IS	67.91141	AT (	645641.01,	4200680.37,	1.55,	1.55,	0.00)	DC	
	3RD HIGHEST VALUE IS	64.71563	AT (	646041.01,	4200880.37,	2.39,	2.39,	0.00)	DC	
	4TH HIGHEST VALUE IS	63.19826	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	60.21099	AT (	645697.97,	4200718.07,	1.74,	1.74,	0.00)	DC	
	6TH HIGHEST VALUE IS	60.03440	AT (	645704.70,	4200712.46,	1.66,	1.66,	0.00)	DC	
	7TH HIGHEST VALUE IS	55.81047	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	8TH HIGHEST VALUE IS	52.91532	AT (	646141.01,	4200880.37,	1.52,	1.52,	0.00)	DC	
	9TH HIGHEST VALUE IS	45.18141	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	43.12765	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
SLINE2	1ST HIGHEST VALUE IS	77.04420	AT (	645641.01,	4200680.37,	1.55,	1.55,	0.00)	DC	
	2ND HIGHEST VALUE IS	75.61761	AT (	645741.01,	4200680.37,	1.52,	1.52,	0.00)	DC	
	3RD HIGHEST VALUE IS	74.11875	AT (	646041.01,	4200880.37,	2.39,	2.39,	0.00)	DC	
	4TH HIGHEST VALUE IS	73.14022	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	70.35805	AT (	645704.70,	4200712.46,	1.66,	1.66,	0.00)	DC	
	6TH HIGHEST VALUE IS	70.05862	AT (	645697.97,	4200718.07,	1.74,	1.74,	0.00)	DC	
	7TH HIGHEST VALUE IS	63.71711	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	8TH HIGHEST VALUE IS	52.04447	AT (	646241.01,	4200780.37,	1.37,	1.37,	0.00)	DC	
	9TH HIGHEST VALUE IS	51.36708	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	47.71732	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
PAREA1	1ST HIGHEST VALUE IS	2733448.05447	AT (	645946.01,	4200731.54,	1.83,	1.83,	0.00)	DC	
	2ND HIGHEST VALUE IS	2110922.73803	AT (	645939.20,	4200707.16,	1.83,	1.83,	0.00)	DC	
	3RD HIGHEST VALUE IS	1486154.87451	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	

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          4TH HIGHEST VALUE IS 1420825.67422 AT (  645941.01,  4200680.37,     1.57,     1.57,    0.00)  DC
          5TH HIGHEST VALUE IS 1417318.50474 AT (  645841.01,  4200680.37,     1.52,     1.52,    0.00)  DC
          6TH HIGHEST VALUE IS 1339938.55689 AT (  645741.01,  4200780.37,     1.83,     1.83,    0.00)  DC
          7TH HIGHEST VALUE IS 1232405.48161 AT (  645941.01,  4200880.37,     2.28,     2.28,    0.00)  DC
          8TH HIGHEST VALUE IS 1223583.70477 AT (  645841.01,  4200880.37,     1.89,     1.89,    0.00)  DC
          9TH HIGHEST VALUE IS 1125651.81469 AT (  645889.89,  4200889.80,     2.13,     2.13,    0.00)  DC
         10TH HIGHEST VALUE IS  990821.80268 AT (  646041.01,  4200780.37,     1.83,     1.83,    0.00)  DC

ALL       1ST HIGHEST VALUE IS 2733486.94630 AT (  645946.01,  4200731.54,     1.83,     1.83,    0.00)  DC
          2ND HIGHEST VALUE IS 2110960.70011 AT (  645939.20,  4200707.16,     1.83,     1.83,    0.00)  DC
          3RD HIGHEST VALUE IS 1486251.42300 AT (  645847.24,  4200866.23,     1.88,     1.88,    0.00)  DC
          4TH HIGHEST VALUE IS 1420860.31066 AT (  645941.01,  4200680.37,     1.57,     1.57,    0.00)  DC
          5TH HIGHEST VALUE IS 1417381.61074 AT (  645841.01,  4200680.37,     1.52,     1.52,    0.00)  DC
          6TH HIGHEST VALUE IS 1340074.89537 AT (  645741.01,  4200780.37,     1.83,     1.83,    0.00)  DC
          7TH HIGHEST VALUE IS 1232477.61137 AT (  645941.01,  4200880.37,     2.28,     2.28,    0.00)  DC
          8TH HIGHEST VALUE IS 1223703.23235 AT (  645841.01,  4200880.37,     1.89,     1.89,    0.00)  DC
          9TH HIGHEST VALUE IS 1125742.65966 AT (  645889.89,  4200889.80,     2.13,     2.13,    0.00)  DC
         10TH HIGHEST VALUE IS  990860.83667 AT (  646041.01,  4200780.37,     1.83,     1.83,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
SLINE1	1ST HIGH VALUE IS 246.25867	ON 15022608:	AT (645741.01, 4200680.37, 1.52, 1.52, 0.00) DC
SLINE2	1ST HIGH VALUE IS 267.98848	ON 15021917:	AT (646041.01, 4200880.37, 2.39, 2.39, 0.00) DC
PAREA1	1ST HIGH VALUE IS 23569146.06399	ON 14060106:	AT (645889.89, 4200889.80, 2.13, 2.13, 0.00) DC
ALL	1ST HIGH VALUE IS 23569393.05436	ON 14060106:	AT (645889.89, 4200889.80, 2.13, 2.13, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 12 Warning Message(s)
A Total of 971 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 442 Calm Hours Identified

A Total of 529 Missing Hours Identified (1.21 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	679	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	679	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W420	34276	METQA: Wind Speed Out-of-Range. KURDAT =	16112904
MX W420	34282	METQA: Wind Speed Out-of-Range. KURDAT =	16112910
MX W420	34288	METQA: Wind Speed Out-of-Range. KURDAT =	16112916
MX W420	34294	METQA: Wind Speed Out-of-Range. KURDAT =	16112922
MX W420	34300	METQA: Wind Speed Out-of-Range. KURDAT =	16113004
MX W420	40768	METQA: Wind Speed Out-of-Range. KURDAT =	17082616
MX W420	40792	METQA: Wind Speed Out-of-Range. KURDAT =	17082716
MX W420	40798	METQA: Wind Speed Out-of-Range. KURDAT =	17082722
MX W420	40804	METQA: Wind Speed Out-of-Range. KURDAT =	17082804
MX W400	43825	MAIN: Output values exceed format limit; use OU FILEFORM	= EXP

****
*** AERMOD Finishes Successfully ***
****

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 11/20/2022
** File: C:\Lakes\AERMOD View\BayoTech_Stockton_HRA_Evaluation\BayoTech_Stockton_HRA_Evaluation.ADI
**
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE BayoTech Stockton BB0004 with 2 SMR
   TITLETWO Operational HRA Analysis
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 311103 City_of_Stockton
   POLLUTID TOXICS
   RUNORNOT RUN
   ERRORFIL BayoTech_Stockton_HRA_Evaluation.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STACK01      POINT      645845.338  4200816.657        1.830
** DESCRSRC H2-1000 SMR 1 with SCR
   LOCATION STACK02      POINT      645851.858  4200826.690        1.830
** DESCRSRC H2-1000 SMR 2 with SCR
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC In-bound truck route
** PREFIX
```

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** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 6.80
** SZINIT = 1.58
** Nodes = 22
** 646266.048, 4200788.070, 1.43, 3.40, 4.33
** 646194.434, 4200869.514, 1.52, 3.40, 4.33
** 646178.988, 4200872.323, 1.52, 3.40, 4.33
** 646170.562, 4200868.812, 1.52, 3.40, 4.33
** 646139.670, 4200840.026, 1.55, 3.40, 4.33
** 646044.184, 4200899.002, 2.38, 3.40, 4.33
** 646004.164, 4200922.874, 2.72, 3.40, 4.33
** 645970.463, 4200936.916, 2.88, 3.40, 4.33
** 645943.784, 4200942.533, 2.73, 3.40, 4.33
** 645923.423, 4200943.235, 2.74, 3.40, 4.33
** 645895.338, 4200940.426, 2.43, 3.40, 4.33
** 645863.042, 4200929.895, 2.16, 3.40, 4.33
** 645841.979, 4200919.363, 2.13, 3.40, 4.33
** 645818.809, 4200900.407, 1.93, 3.40, 4.33
** 645645.390, 4200728.392, 1.76, 3.40, 4.33
** 645620.817, 4200703.818, 1.53, 3.40, 4.33
** 645603.264, 4200674.330, 1.52, 3.40, 4.33
** 645599.754, 4200663.096, 1.52, 3.40, 4.33
** 645599.051, 4200644.139, 1.52, 3.40, 4.33
** 645647.496, 4200627.991, 1.52, 3.40, 4.33
** 645828.639, 4200770.518, 1.81, 3.40, 4.33
** 645841.172, 4200779.249, 1.81, 3.40, 4.33
** ----------------------------------------------------------------
   LOCATION L0002411     VOLUME   646262.978 4200791.562 1.40
   LOCATION L0002412     VOLUME   646256.837 4200798.546 1.49
   LOCATION L0002413     VOLUME   646250.696 4200805.530 1.52
   LOCATION L0002414     VOLUME   646244.554 4200812.514 1.52
   LOCATION L0002415     VOLUME   646238.413 4200819.498 1.52
   LOCATION L0002416     VOLUME   646232.272 4200826.482 1.52
   LOCATION L0002417     VOLUME   646226.131 4200833.466 1.52
   LOCATION L0002418     VOLUME   646219.990 4200840.450 1.52
   LOCATION L0002419     VOLUME   646213.849 4200847.435 1.52
   LOCATION L0002420     VOLUME   646207.708 4200854.419 1.52
   LOCATION L0002421     VOLUME   646201.567 4200861.403 1.52
   LOCATION L0002422     VOLUME   646195.425 4200868.387 1.52
   LOCATION L0002423     VOLUME   646186.761 4200870.909 1.52
   LOCATION L0002424     VOLUME   646177.696 4200871.784 1.52
   LOCATION L0002425     VOLUME   646169.413 4200867.741 1.52
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LOCATION L0002426     VOLUME   646162.609 4200861.400 1.52
LOCATION L0002427     VOLUME   646155.805 4200855.060 1.52
LOCATION L0002428     VOLUME   646149.001 4200848.720 1.52
LOCATION L0002429     VOLUME   646142.197 4200842.380 1.52
LOCATION L0002430     VOLUME   646134.696 4200843.098 1.52
LOCATION L0002431     VOLUME   646126.784 4200847.985 1.59
LOCATION L0002432     VOLUME   646118.871 4200852.872 1.67
LOCATION L0002433     VOLUME   646110.959 4200857.759 1.75
LOCATION L0002434     VOLUME   646103.046 4200862.646 1.83
LOCATION L0002435     VOLUME   646095.134 4200867.533 1.86
LOCATION L0002436     VOLUME   646087.221 4200872.421 1.92
LOCATION L0002437     VOLUME   646079.309 4200877.308 2.01
LOCATION L0002438     VOLUME   646071.397 4200882.195 2.12
LOCATION L0002439     VOLUME   646063.484 4200887.082 2.25
LOCATION L0002440     VOLUME   646055.572 4200891.969 2.38
LOCATION L0002441     VOLUME   646047.659 4200896.856 2.51
LOCATION L0002442     VOLUME   646039.705 4200901.674 2.60
LOCATION L0002443     VOLUME   646031.718 4200906.438 2.65
LOCATION L0002444     VOLUME   646023.731 4200911.202 2.70
LOCATION L0002445     VOLUME   646015.744 4200915.967 2.75
LOCATION L0002446     VOLUME   646007.757 4200920.731 2.84
LOCATION L0002447     VOLUME   645999.441 4200924.842 2.89
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LOCATION L0002454     VOLUME   645937.345 4200942.755 2.72
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LOCATION L0002456     VOLUME   645918.776 4200942.770 2.67
LOCATION L0002457     VOLUME   645909.522 4200941.845 2.57
LOCATION L0002458     VOLUME   645900.268 4200940.919 2.46
LOCATION L0002459     VOLUME   645891.207 4200939.079 2.36
LOCATION L0002460     VOLUME   645882.365 4200936.196 2.27
LOCATION L0002461     VOLUME   645873.524 4200933.313 2.19
LOCATION L0002462     VOLUME   645864.682 4200930.430 2.14
LOCATION L0002463     VOLUME   645856.266 4200926.507 2.13
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LOCATION L0002465     VOLUME   645839.946 4200917.701 2.13
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LOCATION L0002467     VOLUME   645825.551 4200905.922 1.98
LOCATION L0002468     VOLUME   645818.391 4200899.991 1.90
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LOCATION L0002470     VOLUME   645805.185 4200886.893 1.83
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LOCATION L0002511     VOLUME   645651.705 4200631.302 1.52
LOCATION L0002512     VOLUME   645659.014 4200637.053 1.52
LOCATION L0002513     VOLUME   645666.322 4200642.804 1.52
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   LOCATION L0002527     VOLUME   645768.646 4200723.314 1.55
   LOCATION L0002528     VOLUME   645775.955 4200729.065 1.52
   LOCATION L0002529     VOLUME   645783.264 4200734.816 1.52
   LOCATION L0002530     VOLUME   645790.573 4200740.566 1.58
   LOCATION L0002531     VOLUME   645797.881 4200746.317 1.63
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** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Out-bound truck trips
** PREFIX
** Length of Side = 9.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 6.80
** SZINIT = 1.58
** Nodes = 20
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   LOCATION L0005375     VOLUME   645821.792 4200771.930 1.83
   LOCATION L0005376     VOLUME   645814.422 4200766.258 1.83
   LOCATION L0005377     VOLUME   645807.051 4200760.587 1.78
   LOCATION L0005378     VOLUME   645799.681 4200754.915 1.72
   LOCATION L0005379     VOLUME   645792.311 4200749.244 1.66
   LOCATION L0005380     VOLUME   645784.940 4200743.572 1.61
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   LOCATION L0005383     VOLUME   645762.829 4200726.557 1.60
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   LOCATION L0005389     VOLUME   645718.607 4200692.527 1.52
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   LOCATION L0005400     VOLUME   645637.019 4200633.891 1.52
   LOCATION L0005401     VOLUME   645628.396 4200637.373 1.52
   LOCATION L0005402     VOLUME   645619.772 4200640.856 1.52
   LOCATION L0005403     VOLUME   645611.149 4200644.338 1.52
   LOCATION L0005404     VOLUME   645604.104 4200648.844 1.52
   LOCATION L0005405     VOLUME   645604.449 4200658.138 1.52
   LOCATION L0005406     VOLUME   645605.353 4200667.277 1.52
   LOCATION L0005407     VOLUME   645609.806 4200675.442 1.52
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LOCATION L0005409     VOLUME   645618.713 4200691.771 1.52
LOCATION L0005410     VOLUME   645623.930 4200699.360 1.53
LOCATION L0005411     VOLUME   645630.549 4200705.893 1.60
LOCATION L0005412     VOLUME   645637.167 4200712.426 1.66
LOCATION L0005413     VOLUME   645643.786 4200718.959 1.73
LOCATION L0005414     VOLUME   645650.405 4200725.492 1.80
LOCATION L0005415     VOLUME   645657.024 4200732.025 1.83
LOCATION L0005416     VOLUME   645663.643 4200738.558 1.83
LOCATION L0005417     VOLUME   645670.262 4200745.091 1.83
LOCATION L0005418     VOLUME   645676.881 4200751.624 1.83
LOCATION L0005419     VOLUME   645683.500 4200758.157 1.83
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LOCATION L0005421     VOLUME   645696.738 4200771.223 1.83
LOCATION L0005422     VOLUME   645703.357 4200777.756 1.83
LOCATION L0005423     VOLUME   645709.976 4200784.289 1.83
LOCATION L0005424     VOLUME   645716.595 4200790.821 1.83
LOCATION L0005425     VOLUME   645723.214 4200797.354 1.83
LOCATION L0005426     VOLUME   645729.833 4200803.887 1.83
LOCATION L0005427     VOLUME   645736.451 4200810.420 1.83
LOCATION L0005428     VOLUME   645743.070 4200816.953 1.83
LOCATION L0005429     VOLUME   645749.689 4200823.486 1.83
LOCATION L0005430     VOLUME   645756.308 4200830.019 1.83
LOCATION L0005431     VOLUME   645762.927 4200836.552 1.83
LOCATION L0005432     VOLUME   645769.546 4200843.085 1.83
LOCATION L0005433     VOLUME   645776.165 4200849.618 1.83
LOCATION L0005434     VOLUME   645782.784 4200856.151 1.83
LOCATION L0005435     VOLUME   645789.403 4200862.684 1.83
LOCATION L0005436     VOLUME   645796.022 4200869.217 1.83
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LOCATION L0005440     VOLUME   645822.498 4200895.349 1.89
LOCATION L0005441     VOLUME   645829.117 4200901.882 1.97
LOCATION L0005442     VOLUME   645835.735 4200908.415 2.07
LOCATION L0005443     VOLUME   645843.300 4200913.720 2.12
LOCATION L0005444     VOLUME   645851.307 4200918.451 2.13
LOCATION L0005445     VOLUME   645859.313 4200923.182 2.13
LOCATION L0005446     VOLUME   645867.320 4200927.914 2.15
LOCATION L0005447     VOLUME   645876.163 4200930.607 2.20
LOCATION L0005448     VOLUME   645885.185 4200932.863 2.26
LOCATION L0005449     VOLUME   645894.207 4200935.118 2.34
LOCATION L0005450     VOLUME   645903.230 4200937.374 2.46
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   LOCATION L0005457     VOLUME   645967.701 4200934.024 2.77
   LOCATION L0005458     VOLUME   645976.723 4200931.769 2.84
   LOCATION L0005459     VOLUME   645985.136 4200927.846 2.88
   LOCATION L0005460     VOLUME   645993.487 4200923.753 2.86
   LOCATION L0005461     VOLUME   646001.838 4200919.659 2.81
   LOCATION L0005462     VOLUME   646010.188 4200915.566 2.75
   LOCATION L0005463     VOLUME   646018.223 4200910.910 2.70
   LOCATION L0005464     VOLUME   646026.064 4200905.908 2.65
   LOCATION L0005465     VOLUME   646033.904 4200900.907 2.60
   LOCATION L0005466     VOLUME   646041.745 4200895.905 2.54
   LOCATION L0005467     VOLUME   646049.585 4200890.903 2.43
   LOCATION L0005468     VOLUME   646057.504 4200886.029 2.30
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   LOCATION L0005470     VOLUME   646073.552 4200876.626 2.04
   LOCATION L0005471     VOLUME   646081.576 4200871.924 1.95
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   LOCATION L0005473     VOLUME   646097.624 4200862.521 1.84
   LOCATION L0005474     VOLUME   646105.648 4200857.820 1.81
   LOCATION L0005475     VOLUME   646113.672 4200853.118 1.72
   LOCATION L0005476     VOLUME   646121.696 4200848.417 1.64
   LOCATION L0005477     VOLUME   646129.720 4200843.715 1.56
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   LOCATION L0005481     VOLUME   646162.129 4200825.461 1.52
   LOCATION L0005482     VOLUME   646170.293 4200821.008 1.52
   LOCATION L0005483     VOLUME   646178.457 4200816.554 1.52
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   LOCATION L0005486     VOLUME   646204.280 4200806.600 1.52
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   LOCATION L0005488     VOLUME   646221.694 4200811.814 1.52
   LOCATION L0005489     VOLUME   646229.580 4200816.743 1.52
   LOCATION L0005490     VOLUME   646236.579 4200814.268 1.52
   LOCATION L0005491     VOLUME   646243.078 4200807.615 1.52
   LOCATION L0005492     VOLUME   646249.576 4200800.962 1.52
   LOCATION L0005493     VOLUME   646256.074 4200794.309 1.49
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
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** DESCRSRC Truck Idling
** PREFIX
** Length of Side = 3.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
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** 645848.664, 4200782.404, 1.83, 4.00, 1.53
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   LOCATION L0005535     VOLUME   645842.157 4200789.102 1.83
   LOCATION L0005536     VOLUME   645844.457 4200786.735 1.83
   LOCATION L0005537     VOLUME   645846.756 4200784.368 1.83
** End of LINE VOLUME Source ID = SLINE3
** Source Parameters **
   SRCPARAM STACK01            1.0     8.839   597.039      0.44     0.254
   SRCPARAM STACK02            1.0     8.839   597.039      0.44     0.254
** LINE VOLUME Source ID = SLINE1
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   SRCPARAM L0002412     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002413     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002414     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002415     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002416     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002417     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002418     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002419     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002420     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002421     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002422     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002423     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002424     0.0079365079      3.40      4.33      1.58
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   SRCPARAM L0002426     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002427     0.0079365079      3.40      4.33      1.58
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   SRCPARAM L0002429     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002430     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002431     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002432     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002433     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002434     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002435     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002439     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002440     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002441     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002442     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002444     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002445     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002446     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002447     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002448     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002452     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002454     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002457     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002458     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002459     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002460     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002461     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002462     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002463     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002464     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002465     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002466     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002467     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002468     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002469     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002470     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002471     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002472     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002473     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002474     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002475     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002476     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002477     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002478     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002479     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002480     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002481     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002482     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002483     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002484     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002485     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002486     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002487     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002488     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002489     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002490     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002491     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002492     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002493     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002494     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002495     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002496     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002497     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002498     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002499     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002500     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002501     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002502     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002503     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002504     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002505     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002506     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002507     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002508     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002509     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002510     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002511     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002512     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002513     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002514     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002515     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002516     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002517     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002518     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002519     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002520     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002521     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002522     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002523     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002524     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002525     0.0079365079      3.40      4.33      1.58
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   SRCPARAM L0002526     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002527     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002528     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002529     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002530     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002531     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002532     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002533     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002534     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002535     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002536     0.0079365079      3.40      4.33      1.58
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0005373     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005374     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005375     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005376     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005377     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005378     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005379     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005380     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005381     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005382     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005383     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005384     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005385     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005386     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005387     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005388     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005389     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005390     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005391     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005392     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005393     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005394     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005395     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005396     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005397     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005398     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005399     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005400     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005401     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005402     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005403     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005404     0.0082644628      3.40      4.33      1.58
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SRCPARAM L0005405     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005406     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005407     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005408     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005409     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005410     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005411     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005412     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005413     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005414     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005415     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005416     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005417     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005418     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005419     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005420     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005421     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005422     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005423     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005424     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005425     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005426     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005427     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005428     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005429     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005430     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005431     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005432     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005433     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005434     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005435     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005436     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005437     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005438     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005439     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005440     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005441     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005442     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005443     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005444     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005445     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005446     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005447     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005448     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005449     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005450     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005451     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005452     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005453     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005454     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005455     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005456     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005457     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005458     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005459     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005460     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005461     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005462     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005463     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005464     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005465     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005466     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005467     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005468     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005469     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005470     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005471     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005472     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005473     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005474     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005475     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005476     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005477     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005478     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005479     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005480     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005481     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005482     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005483     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005484     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005485     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005486     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005487     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005488     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005489     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005490     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005491     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005492     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005493     0.0082644628      3.40      4.33      1.58
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** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0005534          0.25      4.00      1.53      3.16
   SRCPARAM L0005535          0.25      4.00      1.53      3.16
   SRCPARAM L0005536          0.25      4.00      1.53      3.16
   SRCPARAM L0005537          0.25      4.00      1.53      3.16
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP SLINE1   L0002411 L0002412 L0002413 L0002414 L0002415 L0002416
   SRCGROUP SLINE1   L0002417 L0002418 L0002419 L0002420 L0002421 L0002422
   SRCGROUP SLINE1   L0002423 L0002424 L0002425 L0002426 L0002427 L0002428
   SRCGROUP SLINE1   L0002429 L0002430 L0002431 L0002432 L0002433 L0002434
   SRCGROUP SLINE1   L0002435 L0002436 L0002437 L0002438 L0002439 L0002440
   SRCGROUP SLINE1   L0002441 L0002442 L0002443 L0002444 L0002445 L0002446
   SRCGROUP SLINE1   L0002447 L0002448 L0002449 L0002450 L0002451 L0002452
   SRCGROUP SLINE1   L0002453 L0002454 L0002455 L0002456 L0002457 L0002458
   SRCGROUP SLINE1   L0002459 L0002460 L0002461 L0002462 L0002463 L0002464
   SRCGROUP SLINE1   L0002465 L0002466 L0002467 L0002468 L0002469 L0002470
   SRCGROUP SLINE1   L0002471 L0002472 L0002473 L0002474 L0002475 L0002476
   SRCGROUP SLINE1   L0002477 L0002478 L0002479 L0002480 L0002481 L0002482
   SRCGROUP SLINE1   L0002483 L0002484 L0002485 L0002486 L0002487 L0002488
   SRCGROUP SLINE1   L0002489 L0002490 L0002491 L0002492 L0002493 L0002494
   SRCGROUP SLINE1   L0002495 L0002496 L0002497 L0002498 L0002499 L0002500
   SRCGROUP SLINE1   L0002501 L0002502 L0002503 L0002504 L0002505 L0002506
   SRCGROUP SLINE1   L0002507 L0002508 L0002509 L0002510 L0002511 L0002512
   SRCGROUP SLINE1   L0002513 L0002514 L0002515 L0002516 L0002517 L0002518
   SRCGROUP SLINE1   L0002519 L0002520 L0002521 L0002522 L0002523 L0002524
   SRCGROUP SLINE1   L0002525 L0002526 L0002527 L0002528 L0002529 L0002530
   SRCGROUP SLINE1   L0002531 L0002532 L0002533 L0002534 L0002535 L0002536
   SRCGROUP SLINE2   L0005373 L0005374 L0005375 L0005376 L0005377 L0005378
   SRCGROUP SLINE2   L0005379 L0005380 L0005381 L0005382 L0005383 L0005384
   SRCGROUP SLINE2   L0005385 L0005386 L0005387 L0005388 L0005389 L0005390
   SRCGROUP SLINE2   L0005391 L0005392 L0005393 L0005394 L0005395 L0005396
   SRCGROUP SLINE2   L0005397 L0005398 L0005399 L0005400 L0005401 L0005402
   SRCGROUP SLINE2   L0005403 L0005404 L0005405 L0005406 L0005407 L0005408
   SRCGROUP SLINE2   L0005409 L0005410 L0005411 L0005412 L0005413 L0005414
   SRCGROUP SLINE2   L0005415 L0005416 L0005417 L0005418 L0005419 L0005420
   SRCGROUP SLINE2   L0005421 L0005422 L0005423 L0005424 L0005425 L0005426
   SRCGROUP SLINE2   L0005427 L0005428 L0005429 L0005430 L0005431 L0005432
   SRCGROUP SLINE2   L0005433 L0005434 L0005435 L0005436 L0005437 L0005438
   SRCGROUP SLINE2   L0005439 L0005440 L0005441 L0005442 L0005443 L0005444
   SRCGROUP SLINE2   L0005445 L0005446 L0005447 L0005448 L0005449 L0005450
   SRCGROUP SLINE2   L0005451 L0005452 L0005453 L0005454 L0005455 L0005456
   SRCGROUP SLINE2   L0005457 L0005458 L0005459 L0005460 L0005461 L0005462
   SRCGROUP SLINE2   L0005463 L0005464 L0005465 L0005466 L0005467 L0005468
   SRCGROUP SLINE2   L0005469 L0005470 L0005471 L0005472 L0005473 L0005474
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   SRCGROUP SLINE2   L0005475 L0005476 L0005477 L0005478 L0005479 L0005480
   SRCGROUP SLINE2   L0005481 L0005482 L0005483 L0005484 L0005485 L0005486
   SRCGROUP SLINE2   L0005487 L0005488 L0005489 L0005490 L0005491 L0005492
   SRCGROUP SLINE2   L0005493
   SRCGROUP SLINE3   L0005534 L0005535 L0005536 L0005537
   SRCGROUP STACK01  STACK01
   SRCGROUP STACK02  STACK02
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED BayoTech_Stockton_HRA_Evaluation.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE Stockton_2013-2017.SFC
   PROFFILE Stockton_2013-2017.PFL
   SURFDATA 23237 2013 Stockton -121.23 37.89
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 7.9 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   POSTFILE 1 ALL UNFORM BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01_GALL.POS 31
   POSTFILE PERIOD ALL UNFORM BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE_GALL.POS 32
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1GALL.PLT 33
   PLOTFILE 1 SLINE1 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G001.PLT 34
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   PLOTFILE 1 SLINE2 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G002.PLT 35
   PLOTFILE 1 SLINE3 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G003.PLT 36
   PLOTFILE 1 STACK01 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G004.PLT 37
   PLOTFILE 1 STACK02 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G005.PLT 38
   PLOTFILE PERIOD ALL BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00GALL.PLT 39
   PLOTFILE PERIOD SLINE1 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G001.PLT 40
   PLOTFILE PERIOD SLINE2 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G002.PLT 41
   PLOTFILE PERIOD SLINE3 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G003.PLT 42
   PLOTFILE PERIOD STACK01 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G004.PLT 43
   PLOTFILE PERIOD STACK02 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G005.PLT 44
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** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 11/20/2022
** File: C:\Lakes\AERMOD View\BayoTech_Stockton_HRA_Evaluation\BayoTech_Stockton_HRA_Evaluation.ADI
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** AERMOD Control Pathway
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   TITLETWO Operational HRA Analysis
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 311103 City_of_Stockton
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   ERRORFIL BayoTech_Stockton_HRA_Evaluation.err
CO FINISHED
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** AERMOD Source Pathway
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** Source ID - Type - X Coord. - Y Coord. **
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** DESCRSRC H2-1000 SMR 1 with SCR
   LOCATION STACK02      POINT      645851.858  4200826.690        1.830
** DESCRSRC H2-1000 SMR 2 with SCR
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** LINE VOLUME Source ID = SLINE1
** DESCRSRC In-bound truck route
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 6.80
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LOCATION L0002447     VOLUME   645999.441 4200924.842 2.89
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LOCATION L0002449     VOLUME   645982.272 4200931.996 2.90
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LOCATION L0002454     VOLUME   645937.345 4200942.755 2.72
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LOCATION L0002459     VOLUME   645891.207 4200939.079 2.36
LOCATION L0002460     VOLUME   645882.365 4200936.196 2.27
LOCATION L0002461     VOLUME   645873.524 4200933.313 2.19
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LOCATION L0002494     VOLUME   645646.719 4200729.709 1.76
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** Configuration = Adjacent
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** Elevated
** Vertical Dimension = 6.80
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   LOCATION L0005477     VOLUME   646129.720 4200843.715 1.56
   LOCATION L0005478     VOLUME   646137.744 4200839.013 1.52
   LOCATION L0005479     VOLUME   646145.800 4200834.368 1.52
   LOCATION L0005480     VOLUME   646153.964 4200829.914 1.52
   LOCATION L0005481     VOLUME   646162.129 4200825.461 1.52
   LOCATION L0005482     VOLUME   646170.293 4200821.008 1.52
   LOCATION L0005483     VOLUME   646178.457 4200816.554 1.52
   LOCATION L0005484     VOLUME   646186.622 4200812.101 1.52
   LOCATION L0005485     VOLUME   646195.258 4200808.856 1.52
   LOCATION L0005486     VOLUME   646204.280 4200806.600 1.52
   LOCATION L0005487     VOLUME   646213.507 4200807.731 1.52
   LOCATION L0005488     VOLUME   646221.694 4200811.814 1.52
   LOCATION L0005489     VOLUME   646229.580 4200816.743 1.52
   LOCATION L0005490     VOLUME   646236.579 4200814.268 1.52
   LOCATION L0005491     VOLUME   646243.078 4200807.615 1.52
   LOCATION L0005492     VOLUME   646249.576 4200800.962 1.52
   LOCATION L0005493     VOLUME   646256.074 4200794.309 1.49
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
```

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** DESCRSRC Truck Idling
** PREFIX
** Length of Side = 3.30
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 645838.708, 4200792.652, 1.83, 4.00, 1.53
** 645848.664, 4200782.404, 1.83, 4.00, 1.53
** ----------------------------------------------------------------
   LOCATION L0005534     VOLUME   645839.858 4200791.469 1.83
   LOCATION L0005535     VOLUME   645842.157 4200789.102 1.83
   LOCATION L0005536     VOLUME   645844.457 4200786.735 1.83
   LOCATION L0005537     VOLUME   645846.756 4200784.368 1.83
** End of LINE VOLUME Source ID = SLINE3
** Source Parameters **
   SRCPARAM STACK01            1.0     8.839   597.039      0.44     0.254
   SRCPARAM STACK02            1.0     8.839   597.039      0.44     0.254
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0002411     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002412     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002413     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002414     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002415     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002416     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002417     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002418     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002419     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002420     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002421     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002422     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002423     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002424     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002425     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002426     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002427     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002428     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002429     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002430     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002431     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002432     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002433     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002434     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002435     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002436     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002437     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002438     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002439     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002440     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002441     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002442     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002443     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002444     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002445     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002446     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002447     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002448     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002449     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002450     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002451     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002452     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002453     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002454     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002455     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002456     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002457     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002458     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002459     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002460     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002461     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002462     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002463     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002464     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002465     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002466     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002467     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002468     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002469     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002470     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002471     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002472     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002473     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002474     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002475     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002476     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002477     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002478     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002479     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002480     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002481     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002482     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002483     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002484     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002485     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002486     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002487     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002488     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002489     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002490     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002491     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002492     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002493     0.0079365079      3.40      4.33      1.58
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SRCPARAM L0002495     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002496     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002497     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002498     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002499     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002500     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002501     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002502     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002503     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002504     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002505     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002506     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002507     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002508     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002509     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002510     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002511     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002512     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002513     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002514     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002515     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002516     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002517     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002518     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002519     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002520     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002521     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002522     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002523     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002524     0.0079365079      3.40      4.33      1.58
SRCPARAM L0002525     0.0079365079      3.40      4.33      1.58
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   SRCPARAM L0002526     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002527     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002528     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002529     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002530     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002531     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002532     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002533     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002534     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002535     0.0079365079      3.40      4.33      1.58
   SRCPARAM L0002536     0.0079365079      3.40      4.33      1.58
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** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0005373     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005374     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005375     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005376     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005377     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005378     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005379     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005380     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005381     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005382     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005383     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005384     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005385     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005386     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005387     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005388     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005389     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005390     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005391     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005392     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005393     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005394     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005395     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005396     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005397     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005398     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005399     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005400     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005401     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005404     0.0082644628      3.40      4.33      1.58
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SRCPARAM L0005408     0.0082644628      3.40      4.33      1.58
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SRCPARAM L0005411     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005412     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005413     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005414     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005415     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005416     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005417     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005418     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005419     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005420     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005421     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005422     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005423     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005424     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005425     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005426     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005427     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005428     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005429     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005430     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005431     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005432     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005433     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005434     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005435     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005436     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005437     0.0082644628      3.40      4.33      1.58
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SRCPARAM L0005441     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005442     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005443     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005444     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005445     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005446     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005447     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005448     0.0082644628      3.40      4.33      1.58
SRCPARAM L0005449     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005453     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005454     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005455     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005459     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005460     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005461     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005462     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005463     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005464     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005465     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005466     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005467     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005468     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005469     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005470     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005471     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005472     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005473     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005474     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005481     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005482     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005483     0.0082644628      3.40      4.33      1.58
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   SRCPARAM L0005485     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005486     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005487     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005488     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005489     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005490     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005491     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005492     0.0082644628      3.40      4.33      1.58
   SRCPARAM L0005493     0.0082644628      3.40      4.33      1.58
** ------------------------------------------------------------------
```

```
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0005534          0.25      4.00      1.53      3.16
   SRCPARAM L0005535          0.25      4.00      1.53      3.16
   SRCPARAM L0005536          0.25      4.00      1.53      3.16
   SRCPARAM L0005537          0.25      4.00      1.53      3.16
** ----------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP SLINE1   L0002411 L0002412 L0002413 L0002414 L0002415 L0002416
   SRCGROUP SLINE1   L0002417 L0002418 L0002419 L0002420 L0002421 L0002422
   SRCGROUP SLINE1   L0002423 L0002424 L0002425 L0002426 L0002427 L0002428
   SRCGROUP SLINE1   L0002429 L0002430 L0002431 L0002432 L0002433 L0002434
   SRCGROUP SLINE1   L0002435 L0002436 L0002437 L0002438 L0002439 L0002440
   SRCGROUP SLINE1   L0002441 L0002442 L0002443 L0002444 L0002445 L0002446
   SRCGROUP SLINE1   L0002447 L0002448 L0002449 L0002450 L0002451 L0002452
   SRCGROUP SLINE1   L0002453 L0002454 L0002455 L0002456 L0002457 L0002458
   SRCGROUP SLINE1   L0002459 L0002460 L0002461 L0002462 L0002463 L0002464
   SRCGROUP SLINE1   L0002465 L0002466 L0002467 L0002468 L0002469 L0002470
   SRCGROUP SLINE1   L0002471 L0002472 L0002473 L0002474 L0002475 L0002476
   SRCGROUP SLINE1   L0002477 L0002478 L0002479 L0002480 L0002481 L0002482
   SRCGROUP SLINE1   L0002483 L0002484 L0002485 L0002486 L0002487 L0002488
   SRCGROUP SLINE1   L0002489 L0002490 L0002491 L0002492 L0002493 L0002494
   SRCGROUP SLINE1   L0002495 L0002496 L0002497 L0002498 L0002499 L0002500
   SRCGROUP SLINE1   L0002501 L0002502 L0002503 L0002504 L0002505 L0002506
   SRCGROUP SLINE1   L0002507 L0002508 L0002509 L0002510 L0002511 L0002512
   SRCGROUP SLINE1   L0002513 L0002514 L0002515 L0002516 L0002517 L0002518
   SRCGROUP SLINE1   L0002519 L0002520 L0002521 L0002522 L0002523 L0002524
   SRCGROUP SLINE1   L0002525 L0002526 L0002527 L0002528 L0002529 L0002530
   SRCGROUP SLINE1   L0002531 L0002532 L0002533 L0002534 L0002535 L0002536
   SRCGROUP SLINE2   L0005373 L0005374 L0005375 L0005376 L0005377 L0005378
   SRCGROUP SLINE2   L0005379 L0005380 L0005381 L0005382 L0005383 L0005384
   SRCGROUP SLINE2   L0005385 L0005386 L0005387 L0005388 L0005389 L0005390
   SRCGROUP SLINE2   L0005391 L0005392 L0005393 L0005394 L0005395 L0005396
   SRCGROUP SLINE2   L0005397 L0005398 L0005399 L0005400 L0005401 L0005402
   SRCGROUP SLINE2   L0005403 L0005404 L0005405 L0005406 L0005407 L0005408
   SRCGROUP SLINE2   L0005409 L0005410 L0005411 L0005412 L0005413 L0005414
   SRCGROUP SLINE2   L0005415 L0005416 L0005417 L0005418 L0005419 L0005420
   SRCGROUP SLINE2   L0005421 L0005422 L0005423 L0005424 L0005425 L0005426
   SRCGROUP SLINE2   L0005427 L0005428 L0005429 L0005430 L0005431 L0005432
   SRCGROUP SLINE2   L0005433 L0005434 L0005435 L0005436 L0005437 L0005438
   SRCGROUP SLINE2   L0005439 L0005440 L0005441 L0005442 L0005443 L0005444
   SRCGROUP SLINE2   L0005445 L0005446 L0005447 L0005448 L0005449 L0005450
   SRCGROUP SLINE2   L0005451 L0005452 L0005453 L0005454 L0005455 L0005456
   SRCGROUP SLINE2   L0005457 L0005458 L0005459 L0005460 L0005461 L0005462
   SRCGROUP SLINE2   L0005463 L0005464 L0005465 L0005466 L0005467 L0005468
   SRCGROUP SLINE2   L0005469 L0005470 L0005471 L0005472 L0005473 L0005474
```

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   SRCGROUP SLINE2   L0005475 L0005476 L0005477 L0005478 L0005479 L0005480
   SRCGROUP SLINE2   L0005481 L0005482 L0005483 L0005484 L0005485 L0005486
   SRCGROUP SLINE2   L0005487 L0005488 L0005489 L0005490 L0005491 L0005492
   SRCGROUP SLINE2   L0005493
   SRCGROUP SLINE3   L0005534 L0005535 L0005536 L0005537
   SRCGROUP STACK01  STACK01
   SRCGROUP STACK02  STACK02
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED BayoTech_Stockton_HRA_Evaluation.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE Stockton_2013-2017.SFC
   PROFFILE Stockton_2013-2017.PFL
   SURFDATA 23237 2013 Stockton -121.23 37.89
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 7.9 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   POSTFILE 1 ALL UNFORM BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01_GALL.POS 31
   POSTFILE PERIOD ALL UNFORM BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE_GALL.POS 32
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1GALL.PLT 33
   PLOTFILE 1 SLINE1 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G001.PLT 34
```

```
   PLOTFILE 1 SLINE2 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G002.PLT 35
   PLOTFILE 1 SLINE3 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G003.PLT 36
   PLOTFILE 1 STACK01 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G004.PLT 37
   PLOTFILE 1 STACK02 1ST BAYOTECH_STOCKTON_HRA_EVALUATION.AD\01H1G005.PLT 38
   PLOTFILE PERIOD ALL BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00GALL.PLT 39
   PLOTFILE PERIOD SLINE1 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G001.PLT 40
   PLOTFILE PERIOD SLINE2 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G002.PLT 41
   PLOTFILE PERIOD SLINE3 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G003.PLT 42
   PLOTFILE PERIOD STACK01 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G004.PLT 43
   PLOTFILE PERIOD STACK02 BAYOTECH_STOCKTON_HRA_EVALUATION.AD\PE00G005.PLT 44
   NOHEADER PLOTFILE POSTFILE
   SUMMFILE BayoTech_Stockton_HRA_Evaluation.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     706       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     706       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 253 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 311103.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: TOXICS

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 253 Source(s); 6 Source Group(s); and 968 Receptor(s)

with: 2 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 251 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)

```
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of Concurrent Values for Postprocessing (POSTFILE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     7.90 ;  Decay Coef. =    0.000     ;  Rot. Angle
=     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =
0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   BayoTech_Stockton_HRA_Evaluation.err
 **File for Summary of Results:   BayoTech_Stockton_HRA_Evaluation.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	EMIS RATE CAP/ HOR VARY BY	SCALAR
STACK01	0	0.10000E+01	645845.3	4200816.7	1.8	8.84	597.04	0.44	0.25	NO	YES	NO	
STACK02	0	0.10000E+01	645851.9	4200826.7	1.8	8.84	597.04	0.44	0.25	NO	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002411	0	0.79365E-02	646263.0	4200791.6	1.4	3.40	4.33	1.58	YES	
L0002412	0	0.79365E-02	646256.8	4200798.5	1.5	3.40	4.33	1.58	YES	
L0002413	0	0.79365E-02	646250.7	4200805.5	1.5	3.40	4.33	1.58	YES	
L0002414	0	0.79365E-02	646244.6	4200812.5	1.5	3.40	4.33	1.58	YES	
L0002415	0	0.79365E-02	646238.4	4200819.5	1.5	3.40	4.33	1.58	YES	
L0002416	0	0.79365E-02	646232.3	4200826.5	1.5	3.40	4.33	1.58	YES	
L0002417	0	0.79365E-02	646226.1	4200833.5	1.5	3.40	4.33	1.58	YES	
L0002418	0	0.79365E-02	646220.0	4200840.5	1.5	3.40	4.33	1.58	YES	
L0002419	0	0.79365E-02	646213.8	4200847.4	1.5	3.40	4.33	1.58	YES	
L0002420	0	0.79365E-02	646207.7	4200854.4	1.5	3.40	4.33	1.58	YES	
L0002421	0	0.79365E-02	646201.6	4200861.4	1.5	3.40	4.33	1.58	YES	
L0002422	0	0.79365E-02	646195.4	4200868.4	1.5	3.40	4.33	1.58	YES	
L0002423	0	0.79365E-02	646186.8	4200870.9	1.5	3.40	4.33	1.58	YES	
L0002424	0	0.79365E-02	646177.7	4200871.8	1.5	3.40	4.33	1.58	YES	
L0002425	0	0.79365E-02	646169.4	4200867.7	1.5	3.40	4.33	1.58	YES	
L0002426	0	0.79365E-02	646162.6	4200861.4	1.5	3.40	4.33	1.58	YES	
L0002427	0	0.79365E-02	646155.8	4200855.1	1.5	3.40	4.33	1.58	YES	
L0002428	0	0.79365E-02	646149.0	4200848.7	1.5	3.40	4.33	1.58	YES	
L0002429	0	0.79365E-02	646142.2	4200842.4	1.5	3.40	4.33	1.58	YES	
L0002430	0	0.79365E-02	646134.7	4200843.1	1.5	3.40	4.33	1.58	YES	
L0002431	0	0.79365E-02	646126.8	4200848.0	1.6	3.40	4.33	1.58	YES	
L0002432	0	0.79365E-02	646118.9	4200852.9	1.7	3.40	4.33	1.58	YES	
L0002433	0	0.79365E-02	646111.0	4200857.8	1.8	3.40	4.33	1.58	YES	
L0002434	0	0.79365E-02	646103.0	4200862.6	1.8	3.40	4.33	1.58	YES	
L0002435	0	0.79365E-02	646095.1	4200867.5	1.9	3.40	4.33	1.58	YES	
L0002436	0	0.79365E-02	646087.2	4200872.4	1.9	3.40	4.33	1.58	YES	
L0002437	0	0.79365E-02	646079.3	4200877.3	2.0	3.40	4.33	1.58	YES	
L0002438	0	0.79365E-02	646071.4	4200882.2	2.1	3.40	4.33	1.58	YES	

L0002439	0	0.79365E-02	646063.5	4200887.1	2.2	3.40	4.33	1.58	YES
L0002440	0	0.79365E-02	646055.6	4200892.0	2.4	3.40	4.33	1.58	YES
L0002441	0	0.79365E-02	646047.7	4200896.9	2.5	3.40	4.33	1.58	YES
L0002442	0	0.79365E-02	646039.7	4200901.7	2.6	3.40	4.33	1.58	YES
L0002443	0	0.79365E-02	646031.7	4200906.4	2.6	3.40	4.33	1.58	YES
L0002444	0	0.79365E-02	646023.7	4200911.2	2.7	3.40	4.33	1.58	YES
L0002445	0	0.79365E-02	646015.7	4200916.0	2.8	3.40	4.33	1.58	YES
L0002446	0	0.79365E-02	646007.8	4200920.7	2.8	3.40	4.33	1.58	YES
L0002447	0	0.79365E-02	645999.4	4200924.8	2.9	3.40	4.33	1.58	YES
L0002448	0	0.79365E-02	645990.9	4200928.4	2.9	3.40	4.33	1.58	YES
L0002449	0	0.79365E-02	645982.3	4200932.0	2.9	3.40	4.33	1.58	YES
L0002450	0	0.79365E-02	645973.7	4200935.6	2.8	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002451	0	0.79365E-02	645964.8	4200938.1	2.8	3.40	4.33	1.58	YES	
L0002452	0	0.79365E-02	645955.7	4200940.0	2.7	3.40	4.33	1.58	YES	
L0002453	0	0.79365E-02	645946.6	4200941.9	2.7	3.40	4.33	1.58	YES	
L0002454	0	0.79365E-02	645937.3	4200942.8	2.7	3.40	4.33	1.58	YES	
L0002455	0	0.79365E-02	645928.1	4200943.1	2.7	3.40	4.33	1.58	YES	
L0002456	0	0.79365E-02	645918.8	4200942.8	2.7	3.40	4.33	1.58	YES	
L0002457	0	0.79365E-02	645909.5	4200941.8	2.6	3.40	4.33	1.58	YES	
L0002458	0	0.79365E-02	645900.3	4200940.9	2.5	3.40	4.33	1.58	YES	
L0002459	0	0.79365E-02	645891.2	4200939.1	2.4	3.40	4.33	1.58	YES	
L0002460	0	0.79365E-02	645882.4	4200936.2	2.3	3.40	4.33	1.58	YES	
L0002461	0	0.79365E-02	645873.5	4200933.3	2.2	3.40	4.33	1.58	YES	
L0002462	0	0.79365E-02	645864.7	4200930.4	2.1	3.40	4.33	1.58	YES	
L0002463	0	0.79365E-02	645856.3	4200926.5	2.1	3.40	4.33	1.58	YES	
L0002464	0	0.79365E-02	645847.9	4200922.3	2.1	3.40	4.33	1.58	YES	
L0002465	0	0.79365E-02	645839.9	4200917.7	2.1	3.40	4.33	1.58	YES	
L0002466	0	0.79365E-02	645832.7	4200911.8	2.1	3.40	4.33	1.58	YES	
L0002467	0	0.79365E-02	645825.6	4200905.9	2.0	3.40	4.33	1.58	YES	
L0002468	0	0.79365E-02	645818.4	4200900.0	1.9	3.40	4.33	1.58	YES	
L0002469	0	0.79365E-02	645811.8	4200893.4	1.9	3.40	4.33	1.58	YES	
L0002470	0	0.79365E-02	645805.2	4200886.9	1.8	3.40	4.33	1.58	YES	
L0002471	0	0.79365E-02	645798.6	4200880.3	1.8	3.40	4.33	1.58	YES	
L0002472	0	0.79365E-02	645792.0	4200873.8	1.8	3.40	4.33	1.58	YES	
L0002473	0	0.79365E-02	645785.4	4200867.2	1.8	3.40	4.33	1.58	YES	
L0002474	0	0.79365E-02	645778.8	4200860.7	1.8	3.40	4.33	1.58	YES	
L0002475	0	0.79365E-02	645772.2	4200854.1	1.8	3.40	4.33	1.58	YES	
L0002476	0	0.79365E-02	645765.6	4200847.6	1.8	3.40	4.33	1.58	YES	
L0002477	0	0.79365E-02	645759.0	4200841.0	1.8	3.40	4.33	1.58	YES	
L0002478	0	0.79365E-02	645752.4	4200834.5	1.8	3.40	4.33	1.58	YES	

L0002479	0	0.79365E-02	645745.8	4200827.9	1.8	3.40	4.33	1.58	YES
L0002480	0	0.79365E-02	645739.2	4200821.4	1.8	3.40	4.33	1.58	YES
L0002481	0	0.79365E-02	645732.6	4200814.8	1.8	3.40	4.33	1.58	YES
L0002482	0	0.79365E-02	645726.0	4200808.3	1.8	3.40	4.33	1.58	YES
L0002483	0	0.79365E-02	645719.3	4200801.8	1.8	3.40	4.33	1.58	YES
L0002484	0	0.79365E-02	645712.7	4200795.2	1.8	3.40	4.33	1.58	YES
L0002485	0	0.79365E-02	645706.1	4200788.7	1.8	3.40	4.33	1.58	YES
L0002486	0	0.79365E-02	645699.5	4200782.1	1.8	3.40	4.33	1.58	YES
L0002487	0	0.79365E-02	645692.9	4200775.6	1.8	3.40	4.33	1.58	YES
L0002488	0	0.79365E-02	645686.3	4200769.0	1.8	3.40	4.33	1.58	YES
L0002489	0	0.79365E-02	645679.7	4200762.5	1.8	3.40	4.33	1.58	YES
L0002490	0	0.79365E-02	645673.1	4200755.9	1.8	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002491	0	0.79365E-02	645666.5	4200749.4	1.8	3.40	4.33	1.58	YES	
L0002492	0	0.79365E-02	645659.9	4200742.8	1.8	3.40	4.33	1.58	YES	
L0002493	0	0.79365E-02	645653.3	4200736.3	1.8	3.40	4.33	1.58	YES	
L0002494	0	0.79365E-02	645646.7	4200729.7	1.8	3.40	4.33	1.58	YES	
L0002495	0	0.79365E-02	645640.1	4200723.1	1.7	3.40	4.33	1.58	YES	
L0002496	0	0.79365E-02	645633.6	4200716.6	1.6	3.40	4.33	1.58	YES	
L0002497	0	0.79365E-02	645627.0	4200710.0	1.6	3.40	4.33	1.58	YES	
L0002498	0	0.79365E-02	645620.5	4200703.3	1.5	3.40	4.33	1.58	YES	
L0002499	0	0.79365E-02	645615.8	4200695.3	1.5	3.40	4.33	1.58	YES	
L0002500	0	0.79365E-02	645611.0	4200687.3	1.5	3.40	4.33	1.58	YES	
L0002501	0	0.79365E-02	645606.3	4200679.3	1.5	3.40	4.33	1.58	YES	
L0002502	0	0.79365E-02	645602.2	4200671.0	1.5	3.40	4.33	1.58	YES	
L0002503	0	0.79365E-02	645599.7	4200662.1	1.5	3.40	4.33	1.58	YES	
L0002504	0	0.79365E-02	645599.4	4200652.8	1.5	3.40	4.33	1.58	YES	
L0002505	0	0.79365E-02	645599.6	4200643.9	1.5	3.40	4.33	1.58	YES	
L0002506	0	0.79365E-02	645608.5	4200641.0	1.5	3.40	4.33	1.58	YES	
L0002507	0	0.79365E-02	645617.3	4200638.1	1.5	3.40	4.33	1.58	YES	
L0002508	0	0.79365E-02	645626.1	4200635.1	1.5	3.40	4.33	1.58	YES	
L0002509	0	0.79365E-02	645634.9	4200632.2	1.5	3.40	4.33	1.58	YES	
L0002510	0	0.79365E-02	645643.8	4200629.2	1.5	3.40	4.33	1.58	YES	
L0002511	0	0.79365E-02	645651.7	4200631.3	1.5	3.40	4.33	1.58	YES	
L0002512	0	0.79365E-02	645659.0	4200637.1	1.5	3.40	4.33	1.58	YES	
L0002513	0	0.79365E-02	645666.3	4200642.8	1.5	3.40	4.33	1.58	YES	
L0002514	0	0.79365E-02	645673.6	4200648.6	1.5	3.40	4.33	1.58	YES	
L0002515	0	0.79365E-02	645680.9	4200654.3	1.5	3.40	4.33	1.58	YES	
L0002516	0	0.79365E-02	645688.2	4200660.1	1.5	3.40	4.33	1.58	YES	
L0002517	0	0.79365E-02	645695.6	4200665.8	1.5	3.40	4.33	1.58	YES	
L0002518	0	0.79365E-02	645702.9	4200671.6	1.5	3.40	4.33	1.58	YES	

L0002519	0	0.79365E-02	645710.2	4200677.3	1.5	3.40	4.33	1.58	YES
L0002520	0	0.79365E-02	645717.5	4200683.1	1.5	3.40	4.33	1.58	YES
L0002521	0	0.79365E-02	645724.8	4200688.8	1.5	3.40	4.33	1.58	YES
L0002522	0	0.79365E-02	645732.1	4200694.6	1.5	3.40	4.33	1.58	YES
L0002523	0	0.79365E-02	645739.4	4200700.3	1.5	3.40	4.33	1.58	YES
L0002524	0	0.79365E-02	645746.7	4200706.1	1.5	3.40	4.33	1.58	YES
L0002525	0	0.79365E-02	645754.0	4200711.8	1.6	3.40	4.33	1.58	YES
L0002526	0	0.79365E-02	645761.3	4200717.6	1.6	3.40	4.33	1.58	YES
L0002527	0	0.79365E-02	645768.6	4200723.3	1.6	3.40	4.33	1.58	YES
L0002528	0	0.79365E-02	645776.0	4200729.1	1.5	3.40	4.33	1.58	YES
L0002529	0	0.79365E-02	645783.3	4200734.8	1.5	3.40	4.33	1.58	YES
L0002530	0	0.79365E-02	645790.6	4200740.6	1.6	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002531	0	0.79365E-02	645797.9	4200746.3	1.6	3.40	4.33	1.58	YES	
L0002532	0	0.79365E-02	645805.2	4200752.1	1.7	3.40	4.33	1.58	YES	
L0002533	0	0.79365E-02	645812.5	4200757.8	1.8	3.40	4.33	1.58	YES	
L0002534	0	0.79365E-02	645819.8	4200763.6	1.8	3.40	4.33	1.58	YES	
L0002535	0	0.79365E-02	645827.1	4200769.3	1.8	3.40	4.33	1.58	YES	
L0002536	0	0.79365E-02	645834.7	4200774.7	1.8	3.40	4.33	1.58	YES	
L0005373	0	0.82645E-02	645837.0	4200782.2	1.8	3.40	4.33	1.58	YES	
L0005374	0	0.82645E-02	645829.2	4200777.6	1.8	3.40	4.33	1.58	YES	
L0005375	0	0.82645E-02	645821.8	4200771.9	1.8	3.40	4.33	1.58	YES	
L0005376	0	0.82645E-02	645814.4	4200766.3	1.8	3.40	4.33	1.58	YES	
L0005377	0	0.82645E-02	645807.1	4200760.6	1.8	3.40	4.33	1.58	YES	
L0005378	0	0.82645E-02	645799.7	4200754.9	1.7	3.40	4.33	1.58	YES	
L0005379	0	0.82645E-02	645792.3	4200749.2	1.7	3.40	4.33	1.58	YES	
L0005380	0	0.82645E-02	645784.9	4200743.6	1.6	3.40	4.33	1.58	YES	
L0005381	0	0.82645E-02	645777.6	4200737.9	1.6	3.40	4.33	1.58	YES	
L0005382	0	0.82645E-02	645770.2	4200732.2	1.6	3.40	4.33	1.58	YES	
L0005383	0	0.82645E-02	645762.8	4200726.6	1.6	3.40	4.33	1.58	YES	
L0005384	0	0.82645E-02	645755.5	4200720.9	1.6	3.40	4.33	1.58	YES	
L0005385	0	0.82645E-02	645748.1	4200715.2	1.6	3.40	4.33	1.58	YES	
L0005386	0	0.82645E-02	645740.7	4200709.5	1.6	3.40	4.33	1.58	YES	
L0005387	0	0.82645E-02	645733.3	4200703.9	1.5	3.40	4.33	1.58	YES	
L0005388	0	0.82645E-02	645726.0	4200698.2	1.5	3.40	4.33	1.58	YES	
L0005389	0	0.82645E-02	645718.6	4200692.5	1.5	3.40	4.33	1.58	YES	
L0005390	0	0.82645E-02	645711.2	4200686.9	1.5	3.40	4.33	1.58	YES	
L0005391	0	0.82645E-02	645703.9	4200681.2	1.5	3.40	4.33	1.58	YES	
L0005392	0	0.82645E-02	645696.5	4200675.5	1.5	3.40	4.33	1.58	YES	
L0005393	0	0.82645E-02	645689.1	4200669.8	1.5	3.40	4.33	1.58	YES	
L0005394	0	0.82645E-02	645681.8	4200664.2	1.5	3.40	4.33	1.58	YES	

L0005395	0	0.82645E-02	645674.4	4200658.5	1.5	3.40	4.33	1.58	YES
L0005396	0	0.82645E-02	645667.0	4200652.8	1.5	3.40	4.33	1.58	YES
L0005397	0	0.82645E-02	645659.6	4200647.2	1.5	3.40	4.33	1.58	YES
L0005398	0	0.82645E-02	645652.3	4200641.5	1.5	3.40	4.33	1.58	YES
L0005399	0	0.82645E-02	645644.9	4200635.8	1.5	3.40	4.33	1.58	YES
L0005400	0	0.82645E-02	645637.0	4200633.9	1.5	3.40	4.33	1.58	YES
L0005401	0	0.82645E-02	645628.4	4200637.4	1.5	3.40	4.33	1.58	YES
L0005402	0	0.82645E-02	645619.8	4200640.9	1.5	3.40	4.33	1.58	YES
L0005403	0	0.82645E-02	645611.1	4200644.3	1.5	3.40	4.33	1.58	YES
L0005404	0	0.82645E-02	645604.1	4200648.8	1.5	3.40	4.33	1.58	YES
L0005405	0	0.82645E-02	645604.4	4200658.1	1.5	3.40	4.33	1.58	YES
L0005406	0	0.82645E-02	645605.4	4200667.3	1.5	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005407	0	0.82645E-02	645609.8	4200675.4	1.5	3.40	4.33	1.58	YES	
L0005408	0	0.82645E-02	645614.3	4200683.6	1.5	3.40	4.33	1.58	YES	
L0005409	0	0.82645E-02	645618.7	4200691.8	1.5	3.40	4.33	1.58	YES	
L0005410	0	0.82645E-02	645623.9	4200699.4	1.5	3.40	4.33	1.58	YES	
L0005411	0	0.82645E-02	645630.5	4200705.9	1.6	3.40	4.33	1.58	YES	
L0005412	0	0.82645E-02	645637.2	4200712.4	1.7	3.40	4.33	1.58	YES	
L0005413	0	0.82645E-02	645643.8	4200719.0	1.7	3.40	4.33	1.58	YES	
L0005414	0	0.82645E-02	645650.4	4200725.5	1.8	3.40	4.33	1.58	YES	
L0005415	0	0.82645E-02	645657.0	4200732.0	1.8	3.40	4.33	1.58	YES	
L0005416	0	0.82645E-02	645663.6	4200738.6	1.8	3.40	4.33	1.58	YES	
L0005417	0	0.82645E-02	645670.3	4200745.1	1.8	3.40	4.33	1.58	YES	
L0005418	0	0.82645E-02	645676.9	4200751.6	1.8	3.40	4.33	1.58	YES	
L0005419	0	0.82645E-02	645683.5	4200758.2	1.8	3.40	4.33	1.58	YES	
L0005420	0	0.82645E-02	645690.1	4200764.7	1.8	3.40	4.33	1.58	YES	
L0005421	0	0.82645E-02	645696.7	4200771.2	1.8	3.40	4.33	1.58	YES	
L0005422	0	0.82645E-02	645703.4	4200777.8	1.8	3.40	4.33	1.58	YES	
L0005423	0	0.82645E-02	645710.0	4200784.3	1.8	3.40	4.33	1.58	YES	
L0005424	0	0.82645E-02	645716.6	4200790.8	1.8	3.40	4.33	1.58	YES	
L0005425	0	0.82645E-02	645723.2	4200797.4	1.8	3.40	4.33	1.58	YES	
L0005426	0	0.82645E-02	645729.8	4200803.9	1.8	3.40	4.33	1.58	YES	
L0005427	0	0.82645E-02	645736.5	4200810.4	1.8	3.40	4.33	1.58	YES	
L0005428	0	0.82645E-02	645743.1	4200817.0	1.8	3.40	4.33	1.58	YES	
L0005429	0	0.82645E-02	645749.7	4200823.5	1.8	3.40	4.33	1.58	YES	
L0005430	0	0.82645E-02	645756.3	4200830.0	1.8	3.40	4.33	1.58	YES	
L0005431	0	0.82645E-02	645762.9	4200836.6	1.8	3.40	4.33	1.58	YES	
L0005432	0	0.82645E-02	645769.5	4200843.1	1.8	3.40	4.33	1.58	YES	
L0005433	0	0.82645E-02	645776.2	4200849.6	1.8	3.40	4.33	1.58	YES	
L0005434	0	0.82645E-02	645782.8	4200856.2	1.8	3.40	4.33	1.58	YES	

L0005435	0	0.82645E-02	645789.4	4200862.7	1.8	3.40	4.33	1.58	YES
L0005436	0	0.82645E-02	645796.0	4200869.2	1.8	3.40	4.33	1.58	YES
L0005437	0	0.82645E-02	645802.6	4200875.8	1.8	3.40	4.33	1.58	YES
L0005438	0	0.82645E-02	645809.3	4200882.3	1.8	3.40	4.33	1.58	YES
L0005439	0	0.82645E-02	645815.9	4200888.8	1.8	3.40	4.33	1.58	YES
L0005440	0	0.82645E-02	645822.5	4200895.3	1.9	3.40	4.33	1.58	YES
L0005441	0	0.82645E-02	645829.1	4200901.9	2.0	3.40	4.33	1.58	YES
L0005442	0	0.82645E-02	645835.7	4200908.4	2.1	3.40	4.33	1.58	YES
L0005443	0	0.82645E-02	645843.3	4200913.7	2.1	3.40	4.33	1.58	YES
L0005444	0	0.82645E-02	645851.3	4200918.5	2.1	3.40	4.33	1.58	YES
L0005445	0	0.82645E-02	645859.3	4200923.2	2.1	3.40	4.33	1.58	YES
L0005446	0	0.82645E-02	645867.3	4200927.9	2.1	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005447	0	0.82645E-02	645876.2	4200930.6	2.2	3.40	4.33	1.58	YES	
L0005448	0	0.82645E-02	645885.2	4200932.9	2.3	3.40	4.33	1.58	YES	
L0005449	0	0.82645E-02	645894.2	4200935.1	2.3	3.40	4.33	1.58	YES	
L0005450	0	0.82645E-02	645903.2	4200937.4	2.5	3.40	4.33	1.58	YES	
L0005451	0	0.82645E-02	645912.5	4200938.0	2.6	3.40	4.33	1.58	YES	
L0005452	0	0.82645E-02	645921.8	4200938.1	2.6	3.40	4.33	1.58	YES	
L0005453	0	0.82645E-02	645931.1	4200938.3	2.7	3.40	4.33	1.58	YES	
L0005454	0	0.82645E-02	645940.4	4200938.4	2.7	3.40	4.33	1.58	YES	
L0005455	0	0.82645E-02	645949.7	4200938.5	2.7	3.40	4.33	1.58	YES	
L0005456	0	0.82645E-02	645958.7	4200936.3	2.7	3.40	4.33	1.58	YES	
L0005457	0	0.82645E-02	645967.7	4200934.0	2.8	3.40	4.33	1.58	YES	
L0005458	0	0.82645E-02	645976.7	4200931.8	2.8	3.40	4.33	1.58	YES	
L0005459	0	0.82645E-02	645985.1	4200927.8	2.9	3.40	4.33	1.58	YES	
L0005460	0	0.82645E-02	645993.5	4200923.8	2.9	3.40	4.33	1.58	YES	
L0005461	0	0.82645E-02	646001.8	4200919.7	2.8	3.40	4.33	1.58	YES	
L0005462	0	0.82645E-02	646010.2	4200915.6	2.8	3.40	4.33	1.58	YES	
L0005463	0	0.82645E-02	646018.2	4200910.9	2.7	3.40	4.33	1.58	YES	
L0005464	0	0.82645E-02	646026.1	4200905.9	2.6	3.40	4.33	1.58	YES	
L0005465	0	0.82645E-02	646033.9	4200900.9	2.6	3.40	4.33	1.58	YES	
L0005466	0	0.82645E-02	646041.7	4200895.9	2.5	3.40	4.33	1.58	YES	
L0005467	0	0.82645E-02	646049.6	4200890.9	2.4	3.40	4.33	1.58	YES	
L0005468	0	0.82645E-02	646057.5	4200886.0	2.3	3.40	4.33	1.58	YES	
L0005469	0	0.82645E-02	646065.5	4200881.3	2.2	3.40	4.33	1.58	YES	
L0005470	0	0.82645E-02	646073.6	4200876.6	2.0	3.40	4.33	1.58	YES	
L0005471	0	0.82645E-02	646081.6	4200871.9	1.9	3.40	4.33	1.58	YES	
L0005472	0	0.82645E-02	646089.6	4200867.2	1.9	3.40	4.33	1.58	YES	
L0005473	0	0.82645E-02	646097.6	4200862.5	1.8	3.40	4.33	1.58	YES	
L0005474	0	0.82645E-02	646105.6	4200857.8	1.8	3.40	4.33	1.58	YES	

L0005475	0	0.82645E-02	646113.7	4200853.1	1.7	3.40	4.33	1.58	YES
L0005476	0	0.82645E-02	646121.7	4200848.4	1.6	3.40	4.33	1.58	YES
L0005477	0	0.82645E-02	646129.7	4200843.7	1.6	3.40	4.33	1.58	YES
L0005478	0	0.82645E-02	646137.7	4200839.0	1.5	3.40	4.33	1.58	YES
L0005479	0	0.82645E-02	646145.8	4200834.4	1.5	3.40	4.33	1.58	YES
L0005480	0	0.82645E-02	646154.0	4200829.9	1.5	3.40	4.33	1.58	YES
L0005481	0	0.82645E-02	646162.1	4200825.5	1.5	3.40	4.33	1.58	YES
L0005482	0	0.82645E-02	646170.3	4200821.0	1.5	3.40	4.33	1.58	YES
L0005483	0	0.82645E-02	646178.5	4200816.6	1.5	3.40	4.33	1.58	YES
L0005484	0	0.82645E-02	646186.6	4200812.1	1.5	3.40	4.33	1.58	YES
L0005485	0	0.82645E-02	646195.3	4200808.9	1.5	3.40	4.33	1.58	YES
L0005486	0	0.82645E-02	646204.3	4200806.6	1.5	3.40	4.33	1.58	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005487	0	0.82645E-02	646213.5	4200807.7	1.5	3.40	4.33	1.58	YES	
L0005488	0	0.82645E-02	646221.7	4200811.8	1.5	3.40	4.33	1.58	YES	
L0005489	0	0.82645E-02	646229.6	4200816.7	1.5	3.40	4.33	1.58	YES	
L0005490	0	0.82645E-02	646236.6	4200814.3	1.5	3.40	4.33	1.58	YES	
L0005491	0	0.82645E-02	646243.1	4200807.6	1.5	3.40	4.33	1.58	YES	
L0005492	0	0.82645E-02	646249.6	4200801.0	1.5	3.40	4.33	1.58	YES	
L0005493	0	0.82645E-02	646256.1	4200794.3	1.5	3.40	4.33	1.58	YES	
L0005534	0	0.25000E+00	645839.9	4200791.5	1.8	4.00	1.53	3.16	YES	
L0005535	0	0.25000E+00	645842.2	4200789.1	1.8	4.00	1.53	3.16	YES	
L0005536	0	0.25000E+00	645844.5	4200786.7	1.8	4.00	1.53	3.16	YES	
L0005537	0	0.25000E+00	645846.8	4200784.4	1.8	4.00	1.53	3.16	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE1	L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 ,
	L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 ,
	L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 ,
	L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 ,
	L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 ,
	L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 ,
	L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 , L0002465 , L0002466 ,
	L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 ,
	L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 ,
	L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 , L0002489 , L0002490 ,

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            L0002491    , L0002492    , L0002493    , L0002494    , L0002495    , L0002496    , L0002497    ,
L0002498    ,
            L0002499    , L0002500    , L0002501    , L0002502    , L0002503    , L0002504    , L0002505    ,
L0002506    ,
            L0002507    , L0002508    , L0002509    , L0002510    , L0002511    , L0002512    , L0002513    ,
L0002514    ,
            L0002515    , L0002516    , L0002517    , L0002518    , L0002519    , L0002520    , L0002521    ,
L0002522    ,
            L0002523    , L0002524    , L0002525    , L0002526    , L0002527    , L0002528    , L0002529    ,
L0002530    ,
            L0002531    , L0002532    , L0002533    , L0002534    , L0002535    , L0002536    ,
  SLINE2    L0005373    , L0005374    , L0005375    , L0005376    , L0005377    , L0005378    , L0005379    ,
L0005380    ,
            L0005381    , L0005382    , L0005383    , L0005384    , L0005385    , L0005386    , L0005387    ,
L0005388    ,
            L0005389    , L0005390    , L0005391    , L0005392    , L0005393    , L0005394    , L0005395    ,
L0005396    ,
            L0005397    , L0005398    , L0005399    , L0005400    , L0005401    , L0005402    , L0005403    ,
L0005404    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005405 , L0005406 , L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 ,
	L0005413 , L0005414 , L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,
	L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,
	L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,
	L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,
	L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,
	L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 ,
	L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 ,
	L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 ,
	L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 ,

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            L0005485    , L0005486    , L0005487    , L0005488    , L0005489    , L0005490    , L0005491    ,
L0005492    ,
            L0005493    ,
  SLINE3    L0005534    , L0005535    , L0005536    , L0005537    ,
  STACK01   STACK01     ,
  STACK02   STACK02     ,
  ALL       STACK01     , STACK02     , L0002411    , L0002412    , L0002413    , L0002414    , L0002415    ,
L0002416    ,
            L0002417    , L0002418    , L0002419    , L0002420    , L0002421    , L0002422    , L0002423    ,
L0002424    ,
            L0002425    , L0002426    , L0002427    , L0002428    , L0002429    , L0002430    , L0002431    ,
L0002432    ,
            L0002433    , L0002434    , L0002435    , L0002436    , L0002437    , L0002438    , L0002439    ,
L0002440    ,
            L0002441    , L0002442    , L0002443    , L0002444    , L0002445    , L0002446    , L0002447    ,
L0002448    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002449 , L0002450 , L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 ,
	L0002457 , L0002458 , L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 ,
	L0002465 , L0002466 , L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 ,
	L0002473 , L0002474 , L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 ,
	L0002481 , L0002482 , L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 ,
	L0002489 , L0002490 , L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002496 ,
	L0002497 , L0002498 , L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002504 ,
	L0002505 , L0002506 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 ,
	L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 ,
	L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 ,

L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 ,

L0005373 , L0005374 , L0005375 , L0005376 , L0005377 , L0005378 , L0005379 , L0005380 ,

L0005381 , L0005382 , L0005383 , L0005384 , L0005385 , L0005386 , L0005387 , L0005388 ,

L0005389 , L0005390 , L0005391 , L0005392 , L0005393 , L0005394 , L0005395 , L0005396 ,

L0005397 , L0005398 , L0005399 , L0005400 , L0005401 , L0005402 , L0005403 , L0005404 ,

L0005405 , L0005406 , L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 ,

L0005413 , L0005414 , L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,

L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,

L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,

L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,
	L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 ,
	L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 ,
	L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 ,
	L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 ,
	L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 ,
	L0005493 , L0005534 , L0005535 , L0005536 , L0005537 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	311103.	STACK01 , STACK02 , L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 ,
		L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 ,
		L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 ,
		L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 ,
		L0002441 , L0002442 , L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 ,
		L0002449 , L0002450 , L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 ,
		L0002457 , L0002458 , L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 ,
		L0002465 , L0002466 , L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 ,
		L0002473 , L0002474 , L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 ,
		L0002481 , L0002482 , L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 ,

L0002489 , L0002490 , L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002496 ,

L0002497 , L0002498 , L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002504 ,

L0002505 , L0002506 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 ,

L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 ,

L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 ,

L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 ,

L0005373 , L0005374 , L0005375 , L0005376 , L0005377 , L0005378 , L0005379 , L0005380 ,

L0005381 , L0005382 , L0005383 , L0005384 , L0005385 , L0005386 , L0005387 , L0005388 ,

L0005389 , L0005390 , L0005391 , L0005392 , L0005393 , L0005394 , L0005395 , L0005396 ,

L0005397 , L0005398 , L0005399 , L0005400 , L0005401 , L0005402 , L0005403 , L0005404 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0005405 , L0005406 , L0005407 , L0005408 , L0005409 , L0005410 , L0005411 , L0005412 ,
		L0005413 , L0005414 , L0005415 , L0005416 , L0005417 , L0005418 , L0005419 , L0005420 ,
		L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 , L0005427 , L0005428 ,
		L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 , L0005435 , L0005436 ,
		L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 , L0005443 , L0005444 ,
		L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 , L0005451 , L0005452 ,
		L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 , L0005459 , L0005460 ,
		L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 ,
		L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 ,
		L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 ,

L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 ,

L0005493 , L0005534 , L0005535 , L0005536 , L0005537 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(648148.0, 4201090.6, 2.1, 2.1, 0.0); (646506.5, 4202111.8, 2.8, 2.8, 0.0);
(645939.2, 4200707.2, 1.8, 1.8, 0.0); (644341.0, 4199280.4, 0.0, 0.0, 0.0);
(644441.0, 4199280.4, 0.0, 0.0, 0.0); (644541.0, 4199280.4, 0.0, 0.0, 0.0);
(644641.0, 4199280.4, 0.0, 0.0, 0.0); (644741.0, 4199280.4, 0.0, 0.0, 0.0);
(644841.0, 4199280.4, 0.0, 0.0, 0.0); (644941.0, 4199280.4, 0.0, 0.0, 0.0);
(645041.0, 4199280.4, 0.0, 0.0, 0.0); (645141.0, 4199280.4, 0.0, 0.0, 0.0);
(645241.0, 4199280.4, 0.0, 0.0, 0.0); (645341.0, 4199280.4, 0.0, 0.0, 0.0);
(645441.0, 4199280.4, 0.0, 0.0, 0.0); (645541.0, 4199280.4, 0.0, 0.0, 0.0);
(645641.0, 4199280.4, 0.0, 0.0, 0.0); (645741.0, 4199280.4, 0.0, 0.0, 0.0);
(645841.0, 4199280.4, 0.0, 0.0, 0.0); (645941.0, 4199280.4, 0.0, 0.0, 0.0);
(646041.0, 4199280.4, 0.0, 0.0, 0.0); (646141.0, 4199280.4, 0.0, 0.0, 0.0);
(646241.0, 4199280.4, 0.0, 0.0, 0.0); (646341.0, 4199280.4, 0.0, 0.0, 0.0);
(646441.0, 4199280.4, 0.0, 0.0, 0.0); (646541.0, 4199280.4, 0.0, 0.0, 0.0);
(646641.0, 4199280.4, 0.0, 0.0, 0.0); (646741.0, 4199280.4, 0.0, 0.0, 0.0);
(646841.0, 4199280.4, 0.9, 3.0, 0.0); (646941.0, 4199280.4, 0.0, 0.0, 0.0);
(647041.0, 4199280.4, 3.1, 3.1, 0.0); (647141.0, 4199280.4, 3.5, 3.5, 0.0);

```
     ( 647241.0, 4199280.4,       3.0,       3.0,       0.0);       ( 647341.0, 4199280.4,       2.9,       2.9,
0.0);
     ( 644341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 644841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 644941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645041.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645141.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645241.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 645841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 645941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646041.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646141.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646241.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646341.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646441.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646541.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646641.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646741.0, 4199380.4,       0.0,       0.0,       0.0);       ( 646841.0, 4199380.4,       0.0,       0.0,
0.0);
     ( 646941.0, 4199380.4,       0.0,       0.0,       0.0);       ( 647041.0, 4199380.4,       2.8,       2.8,
0.0);
     ( 647141.0, 4199380.4,       3.0,       3.0,       0.0);       ( 647241.0, 4199380.4,       3.0,       3.0,
0.0);
     ( 647341.0, 4199380.4,       3.0,       3.0,       0.0);       ( 644341.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644541.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644741.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 644841.0, 4199480.4,       0.0,       0.0,       0.0);       ( 644941.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4199480.4,       0.0,       0.0,       0.0);       ( 645141.0, 4199480.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4199480.4,       0.0,       0.0,       0.0);       ( 645341.0, 4199480.4,       0.0,       0.0,
0.0);
```

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    ( 645441.0, 4199480.4,      0.0,      0.0,      0.0);        ( 645541.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 645641.0, 4199480.4,      0.0,      0.0,      0.0);        ( 645741.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 645841.0, 4199480.4,      0.0,      0.0,      0.0);        ( 645941.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 646041.0, 4199480.4,      0.0,      0.0,      0.0);        ( 646141.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 646241.0, 4199480.4,      0.0,      0.0,      0.0);        ( 646341.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 646441.0, 4199480.4,      0.0,      0.0,      0.0);        ( 646541.0, 4199480.4,      0.0,      0.0,
0.0);
    ( 646641.0, 4199480.4,      0.0,      0.0,      0.0);        ( 646741.0, 4199480.4,      0.0,      0.0,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646841.0, 4199480.4, 1.0, 1.0, 0.0); (646941.0, 4199480.4, 0.0, 0.0, 0.0);
(647041.0, 4199480.4, 2.1, 2.1, 0.0); (647141.0, 4199480.4, 2.4, 2.4, 0.0);
(647241.0, 4199480.4, 2.7, 2.7, 0.0); (647341.0, 4199480.4, 2.7, 2.7, 0.0);
(644341.0, 4199580.4, 0.0, 0.0, 0.0); (644441.0, 4199580.4, 0.0, 0.0, 0.0);
(644541.0, 4199580.4, 0.0, 0.0, 0.0); (644641.0, 4199580.4, 0.0, 0.0, 0.0);
(644741.0, 4199580.4, 0.0, 0.0, 0.0); (644841.0, 4199580.4, 0.0, 0.0, 0.0);
(644941.0, 4199580.4, 0.0, 0.0, 0.0); (645041.0, 4199580.4, 0.0, 0.0, 0.0);
(645141.0, 4199580.4, 0.0, 0.0, 0.0); (645241.0, 4199580.4, 0.0, 0.0, 0.0);
(645341.0, 4199580.4, 0.0, 0.0, 0.0); (645441.0, 4199580.4, 0.0, 0.0, 0.0);
(645541.0, 4199580.4, 0.0, 0.0, 0.0); (645641.0, 4199580.4, 0.0, 0.0, 0.0);
(645741.0, 4199580.4, 0.0, 0.0, 0.0); (645841.0, 4199580.4, 0.0, 0.0, 0.0);
(645941.0, 4199580.4, 0.0, 0.0, 0.0); (646041.0, 4199580.4, 0.0, 0.0, 0.0);
(646141.0, 4199580.4, 0.0, 0.0, 0.0); (646241.0, 4199580.4, 0.0, 0.0, 0.0);
(646341.0, 4199580.4, 0.0, 0.0, 0.0); (646441.0, 4199580.4, 0.0, 0.0, 0.0);
(646541.0, 4199580.4, 0.0, 0.0, 0.0); (646641.0, 4199580.4, 0.0, 0.0, 0.0);
(646741.0, 4199580.4, 0.0, 0.0, 0.0); (646841.0, 4199580.4, 1.5, 1.5, 0.0);

```
    ( 646941.0, 4199580.4,      0.0,      0.0,      0.0);      ( 647041.0, 4199580.4,      1.8,      1.8,
0.0);
    ( 647141.0, 4199580.4,      2.0,      2.0,      0.0);      ( 647241.0, 4199580.4,      2.1,      2.1,
0.0);
    ( 647341.0, 4199580.4,      2.1,      2.1,      0.0);      ( 644341.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 644441.0, 4199680.4,      0.0,      0.0,      0.0);      ( 644541.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 644641.0, 4199680.4,      0.0,      0.0,      0.0);      ( 644741.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 644841.0, 4199680.4,      0.0,      0.0,      0.0);      ( 644941.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 645041.0, 4199680.4,      0.0,      0.0,      0.0);      ( 645141.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 645241.0, 4199680.4,      0.0,      0.0,      0.0);      ( 645341.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 645441.0, 4199680.4,      0.0,      0.0,      0.0);      ( 645541.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 645641.0, 4199680.4,      0.0,      0.0,      0.0);      ( 645741.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 645841.0, 4199680.4,      0.0,      0.0,      0.0);      ( 645941.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 646041.0, 4199680.4,      0.0,      0.0,      0.0);      ( 646141.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 646241.0, 4199680.4,      0.0,      0.0,      0.0);      ( 646341.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 646441.0, 4199680.4,      0.0,      0.0,      0.0);      ( 646541.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 646641.0, 4199680.4,      0.0,      0.0,      0.0);      ( 646741.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 646841.0, 4199680.4,      1.5,      1.5,      0.0);      ( 646941.0, 4199680.4,      0.0,      0.0,
0.0);
    ( 647041.0, 4199680.4,      1.6,      1.6,      0.0);      ( 647141.0, 4199680.4,      1.7,      1.7,
0.0);
    ( 647241.0, 4199680.4,      1.8,      1.8,      0.0);      ( 647341.0, 4199680.4,      1.8,      1.8,
0.0);
    ( 644341.0, 4199780.4,      0.0,      0.0,      0.0);      ( 644441.0, 4199780.4,      0.0,      0.0,
0.0);
    ( 644541.0, 4199780.4,      0.0,      0.0,      0.0);      ( 644641.0, 4199780.4,      0.0,      0.0,
0.0);
    ( 644741.0, 4199780.4,      0.0,      0.0,      0.0);      ( 644841.0, 4199780.4,      0.0,      0.0,
0.0);
    ( 644941.0, 4199780.4,      0.0,      0.0,      0.0);      ( 645041.0, 4199780.4,      0.0,      0.0,
0.0);
```

```
     ( 645141.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645241.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645441.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645641.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645741.0, 4199780.4,       0.0,       0.0,       0.0);         ( 645841.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 645941.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646041.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 646141.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646241.0, 4199780.4,       0.0,       0.0,
0.0);
     ( 646341.0, 4199780.4,       0.0,       0.0,       0.0);         ( 646441.0, 4199780.4,       0.0,       0.0,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646541.0, 4199780.4, 0.0, 0.0, 0.0); (646641.0, 4199780.4, 0.0, 0.0, 0.0);
(646741.0, 4199780.4, 0.1, 0.1, 0.0); (646841.0, 4199780.4, 0.0, 0.0, 0.0);
(646941.0, 4199780.4, 0.2, 0.2, 0.0); (647041.0, 4199780.4, 1.5, 1.5, 0.0);
(647141.0, 4199780.4, 1.5, 1.5, 0.0); (647241.0, 4199780.4, 1.5, 1.5, 0.0);
(647341.0, 4199780.4, 1.5, 1.5, 0.0); (644341.0, 4199880.4, 0.0, 0.0, 0.0);
(644441.0, 4199880.4, 0.0, 0.0, 0.0); (644541.0, 4199880.4, 0.0, 0.0, 0.0);
(644641.0, 4199880.4, 0.0, 0.0, 0.0); (644741.0, 4199880.4, 0.0, 0.0, 0.0);
(644841.0, 4199880.4, 0.0, 0.0, 0.0); (644941.0, 4199880.4, 0.0, 0.0, 0.0);
(645041.0, 4199880.4, 0.0, 0.0, 0.0); (645141.0, 4199880.4, 0.0, 0.0, 0.0);
(645241.0, 4199880.4, 0.0, 0.0, 0.0); (645341.0, 4199880.4, 0.0, 0.0, 0.0);
(645441.0, 4199880.4, 0.0, 0.0, 0.0); (645541.0, 4199880.4, 0.0, 0.0, 0.0);
(645641.0, 4199880.4, 0.0, 0.0, 0.0); (645741.0, 4199880.4, 0.0, 0.0, 0.0);
(645841.0, 4199880.4, 0.0, 0.0, 0.0); (645941.0, 4199880.4, 0.0, 0.0, 0.0);
(646041.0, 4199880.4, 0.0, 0.0, 0.0); (646141.0, 4199880.4, 0.0, 0.0, 0.0);
(646241.0, 4199880.4, 0.0, 0.0, 0.0); (646341.0, 4199880.4, 0.0, 0.0, 0.0);
(646441.0, 4199880.4, 0.0, 0.0, 0.0); (646541.0, 4199880.4, 0.0, 0.0, 0.0);

```
    ( 646641.0, 4199880.4,      0.6,      0.6,      0.0);      ( 646741.0, 4199880.4,      0.5,      0.5,
0.0);
    ( 646841.0, 4199880.4,      0.0,      0.0,      0.0);      ( 646941.0, 4199880.4,      1.2,      1.2,
0.0);
    ( 647041.0, 4199880.4,      1.2,      1.2,      0.0);      ( 647141.0, 4199880.4,      1.2,      1.2,
0.0);
    ( 647241.0, 4199880.4,      1.2,      1.2,      0.0);      ( 647341.0, 4199880.4,      1.4,      1.4,
0.0);
    ( 644341.0, 4199980.4,      0.0,      0.0,      0.0);      ( 644441.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 644541.0, 4199980.4,      0.0,      0.0,      0.0);      ( 644641.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 644741.0, 4199980.4,      0.0,      0.0,      0.0);      ( 644841.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 644941.0, 4199980.4,      0.0,      0.0,      0.0);      ( 645041.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 645141.0, 4199980.4,      0.0,      0.0,      0.0);      ( 645241.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 645341.0, 4199980.4,      0.0,      0.0,      0.0);      ( 645441.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 645541.0, 4199980.4,      0.0,      0.0,      0.0);      ( 645641.0, 4199980.4,      0.1,      0.1,
0.0);
    ( 645741.0, 4199980.4,      0.3,      0.3,      0.0);      ( 645841.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 645941.0, 4199980.4,      0.0,      0.0,      0.0);      ( 646041.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 646141.0, 4199980.4,      0.0,      0.0,      0.0);      ( 646241.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 646341.0, 4199980.4,      0.0,      0.0,      0.0);      ( 646441.0, 4199980.4,      0.1,      0.1,
0.0);
    ( 646541.0, 4199980.4,      0.1,      0.1,      0.0);      ( 646641.0, 4199980.4,      0.0,      0.0,
0.0);
    ( 646741.0, 4199980.4,      0.3,      0.3,      0.0);      ( 646841.0, 4199980.4,      1.1,      1.1,
0.0);
    ( 646941.0, 4199980.4,      1.2,      1.2,      0.0);      ( 647041.0, 4199980.4,      1.2,      1.2,
0.0);
    ( 647141.0, 4199980.4,      1.2,      1.2,      0.0);      ( 647241.0, 4199980.4,      1.2,      1.2,
0.0);
    ( 647341.0, 4199980.4,      1.2,      1.2,      0.0);      ( 644341.0, 4200080.4,      0.0,      0.0,
0.0);
    ( 644441.0, 4200080.4,      0.0,      0.0,      0.0);      ( 644541.0, 4200080.4,      0.0,      0.0,
0.0);
    ( 644641.0, 4200080.4,      0.0,      0.0,      0.0);      ( 644741.0, 4200080.4,      0.0,      0.0,
0.0);
```

```
     ( 644841.0, 4200080.4,       0.0,       0.0,       0.0);         ( 644941.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645141.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645341.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645541.0, 4200080.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4200080.4,       0.0,       0.0,       0.0);         ( 645741.0, 4200080.4,       0.3,       0.3,
0.0);
     ( 645841.0, 4200080.4,       0.6,       0.6,       0.0);         ( 645941.0, 4200080.4,       1.1,       1.1,
0.0);
     ( 646041.0, 4200080.4,       1.5,       1.5,       0.0);         ( 646141.0, 4200080.4,       0.2,       0.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(646241.0, 4200080.4, 0.2, 0.2, 0.0); (646341.0, 4200080.4, 0.1, 0.1, 0.0);
(646441.0, 4200080.4, 0.0, 0.0, 0.0); (646541.0, 4200080.4, 1.2, 1.2, 0.0);
(646641.0, 4200080.4, 1.2, 1.2, 0.0); (646741.0, 4200080.4, 1.2, 1.2, 0.0);
(646841.0, 4200080.4, 1.2, 1.2, 0.0); (646941.0, 4200080.4, 1.2, 1.2, 0.0);
(647041.0, 4200080.4, 1.2, 1.2, 0.0); (647141.0, 4200080.4, 1.5, 1.5, 0.0);
(647241.0, 4200080.4, 1.5, 1.5, 0.0); (647341.0, 4200080.4, 1.5, 1.5, 0.0);
(644341.0, 4200180.4, 0.0, 0.0, 0.0); (644441.0, 4200180.4, 0.0, 0.0, 0.0);
(644541.0, 4200180.4, 0.0, 0.0, 0.0); (644641.0, 4200180.4, 0.0, 0.0, 0.0);
(644741.0, 4200180.4, 0.0, 0.0, 0.0); (644841.0, 4200180.4, 0.0, 0.0, 0.0);
(644941.0, 4200180.4, 0.0, 0.0, 0.0); (645041.0, 4200180.4, 0.0, 0.0, 0.0);
(645141.0, 4200180.4, 0.0, 0.0, 0.0); (645241.0, 4200180.4, 0.0, 0.0, 0.0);
(645341.0, 4200180.4, 0.0, 0.0, 0.0); (645441.0, 4200180.4, 0.0, 0.0, 0.0);
(645541.0, 4200180.4, 0.0, 0.0, 0.0); (645641.0, 4200180.4, 0.0, 0.0, 0.0);
(645741.0, 4200180.4, 0.3, 0.3, 0.0); (645841.0, 4200180.4, 0.7, 0.7, 0.0);
(645941.0, 4200180.4, 1.1, 1.1, 0.0); (646041.0, 4200180.4, 1.4, 1.4, 0.0);
(646141.0, 4200180.4, 1.2, 1.2, 0.0); (646241.0, 4200180.4, 0.9, 0.9, 0.0);

```
     ( 646341.0, 4200180.4,       0.0,       0.0,       0.0);         ( 646441.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646541.0, 4200180.4,       1.2,       1.2,       0.0);         ( 646641.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646741.0, 4200180.4,       1.2,       1.2,       0.0);         ( 646841.0, 4200180.4,       1.2,       1.2,
0.0);
     ( 646941.0, 4200180.4,       1.2,       1.2,       0.0);         ( 647041.0, 4200180.4,       1.3,       1.3,
0.0);
     ( 647141.0, 4200180.4,       1.5,       1.5,       0.0);         ( 647241.0, 4200180.4,       1.5,       1.5,
0.0);
     ( 647341.0, 4200180.4,       1.5,       1.5,       0.0);         ( 644341.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644441.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644541.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644741.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 644841.0, 4200280.4,       0.0,       0.0,       0.0);         ( 644941.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645041.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645141.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645341.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645541.0, 4200280.4,       0.0,       0.0,
0.0);
     ( 645641.0, 4200280.4,       0.0,       0.0,       0.0);         ( 645741.0, 4200280.4,       0.5,       0.5,
0.0);
     ( 645841.0, 4200280.4,       0.6,       0.6,       0.0);         ( 645941.0, 4200280.4,       0.9,       0.9,
0.0);
     ( 646041.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646141.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 646241.0, 4200280.4,       0.0,       0.0,       0.0);         ( 646341.0, 4200280.4,       0.9,       0.9,
0.0);
     ( 646441.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646541.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 646641.0, 4200280.4,       1.0,       1.0,       0.0);         ( 646741.0, 4200280.4,       1.0,       1.0,
0.0);
     ( 646841.0, 4200280.4,       1.2,       1.2,       0.0);         ( 646941.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 647041.0, 4200280.4,       1.2,       1.2,       0.0);         ( 647141.0, 4200280.4,       1.2,       1.2,
0.0);
     ( 647241.0, 4200280.4,       1.3,       1.3,       0.0);         ( 647341.0, 4200280.4,       1.3,       1.3,
0.0);
     ( 644341.0, 4200380.4,       0.0,       0.0,       0.0);         ( 644441.0, 4200380.4,       0.0,       0.0,
0.0);
```

```
    ( 644541.0, 4200380.4,      0.2,      0.2,      0.0);       ( 644641.0, 4200380.4,      0.2,      0.2,
0.0);
    ( 644741.0, 4200380.4,      0.2,      0.2,      0.0);       ( 644841.0, 4200380.4,      0.2,      0.2,
0.0);
    ( 644941.0, 4200380.4,      0.2,      0.2,      0.0);       ( 645041.0, 4200380.4,      0.2,      0.2,
0.0);
    ( 645141.0, 4200380.4,      0.2,      0.2,      0.0);       ( 645241.0, 4200380.4,      0.2,      0.2,
0.0);
    ( 645341.0, 4200380.4,      0.2,      0.2,      0.0);       ( 645441.0, 4200380.4,      0.7,      0.7,
0.0);
    ( 645541.0, 4200380.4,      0.0,      0.0,      0.0);       ( 645641.0, 4200380.4,      0.1,      0.1,
0.0);
    ( 645741.0, 4200380.4,      0.1,      0.1,      0.0);       ( 645841.0, 4200380.4,      0.1,      0.1,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645941.0, 4200380.4, 0.0, 0.0, 0.0); (646041.0, 4200380.4, 0.0, 0.0, 0.0);
(646141.0, 4200380.4, 0.0, 0.0, 0.0); (646241.0, 4200380.4, 0.1, 0.1, 0.0);
(646341.0, 4200380.4, 1.2, 1.2, 0.0); (646441.0, 4200380.4, 1.2, 1.2, 0.0);
(646541.0, 4200380.4, 1.2, 1.2, 0.0); (646641.0, 4200380.4, 1.0, 1.0, 0.0);
(646741.0, 4200380.4, 1.0, 1.0, 0.0); (646841.0, 4200380.4, 1.2, 1.2, 0.0);
(646941.0, 4200380.4, 1.2, 1.2, 0.0); (647041.0, 4200380.4, 1.2, 1.2, 0.0);
(647141.0, 4200380.4, 1.2, 1.2, 0.0); (647241.0, 4200380.4, 1.2, 1.2, 0.0);
(647341.0, 4200380.4, 1.3, 1.3, 0.0); (644341.0, 4200480.4, 0.5, 0.5, 0.0);
(644441.0, 4200480.4, 0.5, 0.5, 0.0); (644541.0, 4200480.4, 1.4, 1.4, 0.0);
(644641.0, 4200480.4, 1.5, 1.5, 0.0); (644741.0, 4200480.4, 1.5, 1.5, 0.0);
(644841.0, 4200480.4, 1.4, 1.4, 0.0); (644941.0, 4200480.4, 1.2, 1.2, 0.0);
(645041.0, 4200480.4, 1.2, 1.2, 0.0); (645141.0, 4200480.4, 1.2, 1.2, 0.0);
(645241.0, 4200480.4, 1.2, 1.2, 0.0); (645341.0, 4200480.4, 1.2, 1.2, 0.0);
(645441.0, 4200480.4, 0.1, 0.1, 0.0); (645541.0, 4200480.4, 0.7, 0.7, 0.0);
(645641.0, 4200480.4, 1.1, 1.1, 0.0); (645741.0, 4200480.4, 1.1, 1.1, 0.0);
(645841.0, 4200480.4, 1.1, 1.1, 0.0); (645941.0, 4200480.4, 1.4, 1.4, 0.0);

```
     ( 646041.0, 4200480.4,      1.5,      1.5,      0.0);      ( 646141.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646241.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646341.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646441.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646541.0, 4200480.4,      1.2,      1.2,
0.0);
     ( 646641.0, 4200480.4,      1.2,      1.2,      0.0);      ( 646741.0, 4200480.4,      1.3,      1.3,
0.0);
     ( 646841.0, 4200480.4,      1.4,      1.4,      0.0);      ( 646941.0, 4200480.4,      1.4,      1.4,
0.0);
     ( 647041.0, 4200480.4,      1.5,      1.5,      0.0);      ( 647141.0, 4200480.4,      1.5,      1.5,
0.0);
     ( 647241.0, 4200480.4,      1.5,      1.5,      0.0);      ( 647341.0, 4200480.4,      1.5,      1.5,
0.0);
     ( 644341.0, 4200580.4,      1.2,      1.2,      0.0);      ( 644441.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644541.0, 4200580.4,      1.5,      1.5,      0.0);      ( 644641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 644841.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 644941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645041.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 645141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645241.0, 4200580.4,      0.8,      0.8,
0.0);
     ( 645341.0, 4200580.4,      0.8,      0.8,      0.0);      ( 645441.0, 4200580.4,      0.0,      0.0,
0.0);
     ( 645541.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 645741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 645841.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 645941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646041.0, 4200580.4,      1.8,      1.8,
0.0);
     ( 646141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646241.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 646341.0, 4200580.4,      1.2,      1.2,      0.0);      ( 646441.0, 4200580.4,      1.2,      1.2,
0.0);
     ( 646541.0, 4200580.4,      1.4,      1.4,      0.0);      ( 646641.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 646741.0, 4200580.4,      1.5,      1.5,      0.0);      ( 646841.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 646941.0, 4200580.4,      1.5,      1.5,      0.0);      ( 647041.0, 4200580.4,      1.5,      1.5,
0.0);
     ( 647141.0, 4200580.4,      1.5,      1.5,      0.0);      ( 647241.0, 4200580.4,      1.5,      1.5,
0.0);
```

```
     ( 647341.0, 4200580.4,       1.5,       1.5,       0.0);        ( 644341.0, 4200680.4,       1.4,       1.4,
0.0);
     ( 644441.0, 4200680.4,       1.2,       1.2,       0.0);        ( 644541.0, 4200680.4,       1.2,       1.2,
0.0);
     ( 644641.0, 4200680.4,       1.2,       1.2,       0.0);        ( 644741.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 644841.0, 4200680.4,       1.5,       1.5,       0.0);        ( 644941.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 645041.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645141.0, 4200680.4,       1.5,       1.5,
0.0);
     ( 645241.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645341.0, 4200680.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4200680.4,       1.5,       1.5,       0.0);        ( 645541.0, 4200680.4,       1.5,       1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645641.0, 4200680.4, 1.6, 1.6, 0.0); (645741.0, 4200680.4, 1.5, 1.5, 0.0);
(645841.0, 4200680.4, 1.5, 1.5, 0.0); (645941.0, 4200680.4, 1.6, 1.6, 0.0);
(646041.0, 4200680.4, 1.8, 1.8, 0.0); (646141.0, 4200680.4, 1.5, 1.5, 0.0);
(646241.0, 4200680.4, 1.2, 1.2, 0.0); (646341.0, 4200680.4, 1.2, 1.2, 0.0);
(646441.0, 4200680.4, 1.2, 1.2, 0.0); (646541.0, 4200680.4, 1.2, 1.2, 0.0);
(646641.0, 4200680.4, 1.5, 1.5, 0.0); (646741.0, 4200680.4, 1.5, 1.5, 0.0);
(646841.0, 4200680.4, 1.5, 1.5, 0.0); (646941.0, 4200680.4, 1.5, 1.5, 0.0);
(647041.0, 4200680.4, 1.5, 1.5, 0.0); (647141.0, 4200680.4, 1.5, 1.5, 0.0);
(647241.0, 4200680.4, 1.5, 1.5, 0.0); (647341.0, 4200680.4, 1.5, 1.5, 0.0);
(644341.0, 4200780.4, 0.9, 0.9, 0.0); (644441.0, 4200780.4, 1.1, 1.1, 0.0);
(644541.0, 4200780.4, 1.2, 1.2, 0.0); (644641.0, 4200780.4, 1.2, 1.2, 0.0);
(644741.0, 4200780.4, 1.2, 1.2, 0.0); (644841.0, 4200780.4, 1.2, 1.2, 0.0);
(644941.0, 4200780.4, 1.3, 1.3, 0.0); (645041.0, 4200780.4, 1.5, 1.5, 0.0);
(645141.0, 4200780.4, 1.5, 1.5, 0.0); (645241.0, 4200780.4, 1.5, 1.5, 0.0);
(645341.0, 4200780.4, 0.3, 0.3, 0.0); (645441.0, 4200780.4, 0.0, 0.0, 0.0);
(645541.0, 4200780.4, 0.2, 0.2, 0.0); (645641.0, 4200780.4, 1.6, 1.6, 0.0);

```
    ( 645741.0, 4200780.4,      1.8,      1.8,      0.0);      ( 646041.0, 4200780.4,      1.8,      1.8,
0.0);
    ( 646141.0, 4200780.4,      1.5,      1.5,      0.0);      ( 646241.0, 4200780.4,      1.4,      1.4,
0.0);
    ( 646341.0, 4200780.4,      1.2,      1.2,      0.0);      ( 646441.0, 4200780.4,      1.2,      1.2,
0.0);
    ( 646541.0, 4200780.4,      1.2,      1.2,      0.0);      ( 646641.0, 4200780.4,      1.2,      1.2,
0.0);
    ( 646741.0, 4200780.4,      1.5,      1.5,      0.0);      ( 646841.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 646941.0, 4200780.4,      1.5,      1.5,      0.0);      ( 647041.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 647141.0, 4200780.4,      1.5,      1.5,      0.0);      ( 647241.0, 4200780.4,      1.5,      1.5,
0.0);
    ( 647341.0, 4200780.4,      1.5,      1.5,      0.0);      ( 644341.0, 4200880.4,      0.7,      0.7,
0.0);
    ( 644441.0, 4200880.4,      0.9,      0.9,      0.0);      ( 644541.0, 4200880.4,      0.9,      0.9,
0.0);
    ( 644641.0, 4200880.4,      1.2,      1.2,      0.0);      ( 644741.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 644841.0, 4200880.4,      1.2,      1.2,      0.0);      ( 644941.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 645041.0, 4200880.4,      1.2,      1.2,      0.0);      ( 645141.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 645241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 645341.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 645441.0, 4200880.4,      1.5,      1.5,      0.0);      ( 645541.0, 4200880.4,      0.9,      0.9,
0.0);
    ( 645641.0, 4200880.4,      0.0,      0.0,      0.0);      ( 645741.0, 4200880.4,      1.8,      1.8,
0.0);
    ( 645841.0, 4200880.4,      1.9,      1.9,      0.0);      ( 645941.0, 4200880.4,      2.3,      2.3,
0.0);
    ( 646041.0, 4200880.4,      2.4,      2.4,      0.0);      ( 646141.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 646241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 646341.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 646441.0, 4200880.4,      1.2,      1.2,      0.0);      ( 646541.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 646641.0, 4200880.4,      1.0,      1.0,      0.0);      ( 646741.0, 4200880.4,      1.2,      1.2,
0.0);
    ( 646841.0, 4200880.4,      1.5,      1.5,      0.0);      ( 646941.0, 4200880.4,      1.5,      1.5,
0.0);
    ( 647041.0, 4200880.4,      1.5,      1.5,      0.0);      ( 647141.0, 4200880.4,      1.5,      1.5,
0.0);
```

```
     ( 647241.0, 4200880.4,      1.5,      1.5,      0.0);      ( 647341.0, 4200880.4,      1.5,      1.5,
0.0);
     ( 644341.0, 4200980.4,      0.6,      0.6,      0.0);      ( 644441.0, 4200980.4,      0.9,      0.9,
0.0);
     ( 644541.0, 4200980.4,      0.9,      0.9,      0.0);      ( 644641.0, 4200980.4,      0.9,      0.9,
0.0);
     ( 644741.0, 4200980.4,      1.2,      1.2,      0.0);      ( 644841.0, 4200980.4,      1.2,      1.2,
0.0);
     ( 644941.0, 4200980.4,      1.2,      1.2,      0.0);      ( 645041.0, 4200980.4,      1.2,      1.2,
0.0);
     ( 645141.0, 4200980.4,      1.2,      1.2,      0.0);      ( 645241.0, 4200980.4,      1.5,      1.5,
0.0);
     ( 645341.0, 4200980.4,      1.5,      1.5,      0.0);      ( 645441.0, 4200980.4,      1.5,      1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645541.0, 4200980.4, 1.5, 1.5, 0.0); (645641.0, 4200980.4, 0.8, 0.8, 0.0);
(645741.0, 4200980.4, 1.4, 1.4, 0.0); (645841.0, 4200980.4, 2.2, 2.2, 0.0);
(645941.0, 4200980.4, 3.3, 3.3, 0.0); (646041.0, 4200980.4, 4.1, 4.1, 0.0);
(646141.0, 4200980.4, 2.2, 2.2, 0.0); (646241.0, 4200980.4, 1.5, 1.5, 0.0);
(646341.0, 4200980.4, 1.5, 1.5, 0.0); (646441.0, 4200980.4, 1.5, 1.5, 0.0);
(646541.0, 4200980.4, 1.2, 1.2, 0.0); (646641.0, 4200980.4, 1.0, 1.0, 0.0);
(646741.0, 4200980.4, 1.0, 1.0, 0.0); (646841.0, 4200980.4, 1.2, 1.2, 0.0);
(646941.0, 4200980.4, 1.5, 1.5, 0.0); (647041.0, 4200980.4, 1.5, 1.5, 0.0);
(647141.0, 4200980.4, 1.5, 1.5, 0.0); (647241.0, 4200980.4, 1.5, 1.5, 0.0);
(647341.0, 4200980.4, 1.5, 1.5, 0.0); (644341.0, 4201080.4, 0.6, 0.6, 0.0);
(644441.0, 4201080.4, 0.7, 0.7, 0.0); (644541.0, 4201080.4, 0.9, 0.9, 0.0);
(644641.0, 4201080.4, 1.0, 1.0, 0.0); (644741.0, 4201080.4, 1.2, 1.2, 0.0);
(644841.0, 4201080.4, 1.2, 1.2, 0.0); (644941.0, 4201080.4, 1.2, 1.2, 0.0);
(645041.0, 4201080.4, 1.4, 1.4, 0.0); (645141.0, 4201080.4, 1.5, 1.5, 0.0);
(645241.0, 4201080.4, 1.5, 1.5, 0.0); (645341.0, 4201080.4, 1.5, 1.5, 0.0);
(645441.0, 4201080.4, 1.5, 1.5, 0.0); (645541.0, 4201080.4, 1.5, 1.5, 0.0);

```
    ( 645641.0, 4201080.4,      1.5,      1.5,      0.0);      ( 645741.0, 4201080.4,      0.0,      0.0,
0.0);
    ( 645841.0, 4201080.4,      2.8,      2.8,      0.0);      ( 645941.0, 4201080.4,      3.3,      3.3,
0.0);
    ( 646041.0, 4201080.4,      5.8,      5.8,      0.0);      ( 646141.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646241.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646341.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646441.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646541.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 646641.0, 4201080.4,      1.2,      1.2,      0.0);      ( 646741.0, 4201080.4,      1.2,      1.2,
0.0);
    ( 646841.0, 4201080.4,      1.5,      1.5,      0.0);      ( 646941.0, 4201080.4,      1.5,      1.5,
0.0);
    ( 647041.0, 4201080.4,      1.7,      1.7,      0.0);      ( 647141.0, 4201080.4,      1.7,      1.7,
0.0);
    ( 647241.0, 4201080.4,      1.7,      1.7,      0.0);      ( 647341.0, 4201080.4,      1.7,      1.7,
0.0);
    ( 644341.0, 4201180.4,      0.6,      0.6,      0.0);      ( 644441.0, 4201180.4,      0.6,      0.6,
0.0);
    ( 644541.0, 4201180.4,      0.9,      0.9,      0.0);      ( 644641.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 644741.0, 4201180.4,      1.2,      1.2,      0.0);      ( 644841.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 644941.0, 4201180.4,      1.2,      1.2,      0.0);      ( 645041.0, 4201180.4,      1.2,      1.2,
0.0);
    ( 645141.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645241.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645341.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645441.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645541.0, 4201180.4,      1.5,      1.5,      0.0);      ( 645641.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 645741.0, 4201180.4,      1.3,      1.3,      0.0);      ( 645841.0, 4201180.4,      0.0,      0.0,
0.0);
    ( 645941.0, 4201180.4,      1.0,      1.0,      0.0);      ( 646041.0, 4201180.4,      2.4,      2.4,
0.0);
    ( 646141.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646241.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646341.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646441.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646541.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646641.0, 4201180.4,      1.5,      1.5,
0.0);
    ( 646741.0, 4201180.4,      1.5,      1.5,      0.0);      ( 646841.0, 4201180.4,      1.8,      1.8,
0.0);
```

```
    ( 646941.0, 4201180.4,      2.1,      2.1,      0.0);      ( 647041.0, 4201180.4,      2.1,      2.1,
0.0);
    ( 647141.0, 4201180.4,      2.4,      2.4,      0.0);      ( 647241.0, 4201180.4,      2.4,      2.4,
0.0);
    ( 647341.0, 4201180.4,      2.3,      2.3,      0.0);      ( 644341.0, 4201280.4,      0.6,      0.6,
0.0);
    ( 644441.0, 4201280.4,      0.6,      0.6,      0.0);      ( 644541.0, 4201280.4,      0.9,      0.9,
0.0);
    ( 644641.0, 4201280.4,      1.2,      1.2,      0.0);      ( 644741.0, 4201280.4,      1.2,      1.2,
0.0);
    ( 644841.0, 4201280.4,      1.2,      1.2,      0.0);      ( 644941.0, 4201280.4,      1.2,      1.2,
0.0);
    ( 645041.0, 4201280.4,      1.2,      1.2,      0.0);      ( 645141.0, 4201280.4,      1.2,      1.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(645241.0, 4201280.4, 1.5, 1.5, 0.0); (645341.0, 4201280.4, 1.5, 1.5, 0.0);
(645441.0, 4201280.4, 1.5, 1.5, 0.0); (645541.0, 4201280.4, 1.5, 1.5, 0.0);
(645641.0, 4201280.4, 1.5, 1.5, 0.0); (645741.0, 4201280.4, 1.5, 1.5, 0.0);
(645841.0, 4201280.4, 2.5, 2.5, 0.0); (645941.0, 4201280.4, 2.5, 5.5, 0.0);
(646041.0, 4201280.4, 0.0, 0.0, 0.0); (646141.0, 4201280.4, 1.6, 1.6, 0.0);
(646241.0, 4201280.4, 1.5, 1.5, 0.0); (646341.0, 4201280.4, 1.6, 1.6, 0.0);
(646441.0, 4201280.4, 1.6, 1.6, 0.0); (646541.0, 4201280.4, 2.2, 2.2, 0.0);
(646641.0, 4201280.4, 2.4, 2.4, 0.0); (646741.0, 4201280.4, 2.5, 2.5, 0.0);
(646841.0, 4201280.4, 2.5, 2.5, 0.0); (646941.0, 4201280.4, 2.5, 2.5, 0.0);
(647041.0, 4201280.4, 2.8, 2.8, 0.0); (647141.0, 4201280.4, 2.9, 2.9, 0.0);
(647241.0, 4201280.4, 3.0, 3.0, 0.0); (647341.0, 4201280.4, 3.0, 3.0, 0.0);
(644341.0, 4201380.4, 0.6, 0.6, 0.0); (644441.0, 4201380.4, 0.8, 0.8, 0.0);
(644541.0, 4201380.4, 0.9, 0.9, 0.0); (644641.0, 4201380.4, 1.2, 1.2, 0.0);
(644741.0, 4201380.4, 1.2, 1.2, 0.0); (644841.0, 4201380.4, 1.2, 1.2, 0.0);
(644941.0, 4201380.4, 1.2, 1.2, 0.0); (645041.0, 4201380.4, 1.2, 1.2, 0.0);
(645141.0, 4201380.4, 1.2, 1.2, 0.0); (645241.0, 4201380.4, 1.3, 1.3, 0.0);

```
     ( 645341.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645441.0, 4201380.4,       1.5,       1.5,
0.0);
     ( 645541.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645641.0, 4201380.4,       1.5,       1.5,
0.0);
     ( 645741.0, 4201380.4,       1.5,       1.5,       0.0);       ( 645841.0, 4201380.4,       2.0,       2.0,
0.0);
     ( 645941.0, 4201380.4,       2.8,       2.8,       0.0);       ( 646041.0, 4201380.4,       2.9,       2.9,
0.0);
     ( 646141.0, 4201380.4,       0.0,       0.0,       0.0);       ( 646241.0, 4201380.4,       1.9,       1.9,
0.0);
     ( 646341.0, 4201380.4,       2.6,       2.6,       0.0);       ( 646441.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646541.0, 4201380.4,       3.0,       3.0,       0.0);       ( 646641.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646741.0, 4201380.4,       3.0,       3.0,       0.0);       ( 646841.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 646941.0, 4201380.4,       3.0,       3.0,       0.0);       ( 647041.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 647141.0, 4201380.4,       3.0,       3.0,       0.0);       ( 647241.0, 4201380.4,       3.0,       3.0,
0.0);
     ( 647341.0, 4201380.4,       3.0,       3.0,       0.0);       ( 644341.0, 4201480.4,       0.6,       0.6,
0.0);
     ( 644441.0, 4201480.4,       0.9,       0.9,       0.0);       ( 644541.0, 4201480.4,       0.9,       0.9,
0.0);
     ( 644641.0, 4201480.4,       1.0,       1.0,       0.0);       ( 644741.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 644841.0, 4201480.4,       1.2,       1.2,       0.0);       ( 644941.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 645041.0, 4201480.4,       1.2,       1.2,       0.0);       ( 645141.0, 4201480.4,       1.2,       1.2,
0.0);
     ( 645241.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645341.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645441.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645541.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645641.0, 4201480.4,       1.5,       1.5,       0.0);       ( 645741.0, 4201480.4,       1.5,       1.5,
0.0);
     ( 645841.0, 4201480.4,       1.9,       1.9,       0.0);       ( 645941.0, 4201480.4,       2.6,       2.6,
0.0);
     ( 646041.0, 4201480.4,       2.8,       2.8,       0.0);       ( 646141.0, 4201480.4,       0.0,       0.0,
0.0);
     ( 646241.0, 4201480.4,       1.6,       1.6,       0.0);       ( 646341.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 646441.0, 4201480.4,       3.0,       3.0,       0.0);       ( 646541.0, 4201480.4,       3.2,       3.2,
0.0);
```

```
     ( 646641.0, 4201480.4,       3.0,       3.0,       0.0);        ( 646741.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 646841.0, 4201480.4,       2.8,       2.8,       0.0);        ( 646941.0, 4201480.4,       2.8,       2.8,
0.0);
     ( 647041.0, 4201480.4,       2.7,       2.7,       0.0);        ( 647141.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 647241.0, 4201480.4,       2.7,       2.7,       0.0);        ( 647341.0, 4201480.4,       2.7,       2.7,
0.0);
     ( 644341.0, 4201580.4,       0.6,       0.6,       0.0);        ( 644441.0, 4201580.4,       0.9,       0.9,
0.0);
     ( 644541.0, 4201580.4,       0.9,       0.9,       0.0);        ( 644641.0, 4201580.4,       1.0,       1.0,
0.0);
     ( 644741.0, 4201580.4,       1.2,       1.2,       0.0);        ( 644841.0, 4201580.4,       1.2,       1.2,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644941.0, 4201580.4, 1.2, 1.2, 0.0); (645041.0, 4201580.4, 1.3, 1.3, 0.0);
(645141.0, 4201580.4, 1.5, 1.5, 0.0); (645241.0, 4201580.4, 1.5, 1.5, 0.0);
(645341.0, 4201580.4, 1.6, 1.6, 0.0); (645441.0, 4201580.4, 1.8, 1.8, 0.0);
(645541.0, 4201580.4, 2.2, 2.2, 0.0); (645641.0, 4201580.4, 1.5, 1.5, 0.0);
(645741.0, 4201580.4, 1.2, 1.2, 0.0); (645841.0, 4201580.4, 1.6, 1.6, 0.0);
(645941.0, 4201580.4, 2.5, 2.5, 0.0); (646041.0, 4201580.4, 3.0, 3.0, 0.0);
(646141.0, 4201580.4, 0.0, 0.0, 0.0); (646241.0, 4201580.4, 0.0, 0.0, 0.0);
(646341.0, 4201580.4, 2.7, 2.7, 0.0); (646441.0, 4201580.4, 2.7, 2.7, 0.0);
(646541.0, 4201580.4, 3.0, 3.0, 0.0); (646641.0, 4201580.4, 2.8, 2.8, 0.0);
(646741.0, 4201580.4, 2.7, 2.7, 0.0); (646841.0, 4201580.4, 2.7, 2.7, 0.0);
(646941.0, 4201580.4, 2.7, 2.7, 0.0); (647041.0, 4201580.4, 2.3, 2.3, 0.0);
(647141.0, 4201580.4, 2.0, 2.0, 0.0); (647241.0, 4201580.4, 2.4, 2.4, 0.0);
(647341.0, 4201580.4, 2.7, 2.7, 0.0); (644341.0, 4201680.4, 0.6, 0.6, 0.0);
(644441.0, 4201680.4, 0.9, 0.9, 0.0); (644541.0, 4201680.4, 0.9, 0.9, 0.0);
(644641.0, 4201680.4, 1.2, 1.2, 0.0); (644741.0, 4201680.4, 1.2, 1.2, 0.0);
(644841.0, 4201680.4, 1.2, 1.2, 0.0); (644941.0, 4201680.4, 1.5, 1.5, 0.0);

```
     ( 645041.0, 4201680.4,      1.5,      1.5,      0.0);      ( 645141.0, 4201680.4,      1.5,      1.5,
0.0);
     ( 645241.0, 4201680.4,      1.7,      1.7,      0.0);      ( 645341.0, 4201680.4,      2.1,      2.1,
0.0);
     ( 645441.0, 4201680.4,      2.3,      2.3,      0.0);      ( 645541.0, 4201680.4,      2.7,      2.7,
0.0);
     ( 645641.0, 4201680.4,      2.3,      2.3,      0.0);      ( 645741.0, 4201680.4,      1.2,      1.2,
0.0);
     ( 645841.0, 4201680.4,      1.7,      1.7,      0.0);      ( 645941.0, 4201680.4,      3.0,      3.0,
0.0);
     ( 646041.0, 4201680.4,      1.5,      3.0,      0.0);      ( 646141.0, 4201680.4,      0.0,      0.0,
0.0);
     ( 646241.0, 4201680.4,      0.0,      0.0,      0.0);      ( 646341.0, 4201680.4,      0.0,      0.0,
0.0);
     ( 646441.0, 4201680.4,      2.7,      2.7,      0.0);      ( 646541.0, 4201680.4,      2.8,      2.8,
0.0);
     ( 646641.0, 4201680.4,      2.7,      2.7,      0.0);      ( 646741.0, 4201680.4,      2.4,      2.4,
0.0);
     ( 646841.0, 4201680.4,      2.4,      2.4,      0.0);      ( 646941.0, 4201680.4,      2.3,      2.3,
0.0);
     ( 647041.0, 4201680.4,      0.0,      0.0,      0.0);      ( 647141.0, 4201680.4,      1.8,      1.8,
0.0);
     ( 647241.0, 4201680.4,      2.3,      2.3,      0.0);      ( 647341.0, 4201680.4,      2.3,      2.3,
0.0);
     ( 644341.0, 4201780.4,      0.9,      0.9,      0.0);      ( 644441.0, 4201780.4,      0.9,      0.9,
0.0);
     ( 644541.0, 4201780.4,      1.2,      1.2,      0.0);      ( 644641.0, 4201780.4,      1.2,      1.2,
0.0);
     ( 644741.0, 4201780.4,      1.5,      1.5,      0.0);      ( 644841.0, 4201780.4,      1.5,      1.5,
0.0);
     ( 644941.0, 4201780.4,      1.6,      1.6,      0.0);      ( 645041.0, 4201780.4,      2.0,      2.0,
0.0);
     ( 645141.0, 4201780.4,      2.1,      2.1,      0.0);      ( 645241.0, 4201780.4,      2.4,      2.4,
0.0);
     ( 645341.0, 4201780.4,      2.7,      2.7,      0.0);      ( 645441.0, 4201780.4,      2.7,      2.7,
0.0);
     ( 645541.0, 4201780.4,      3.0,      3.0,      0.0);      ( 645641.0, 4201780.4,      3.0,      3.0,
0.0);
     ( 645741.0, 4201780.4,      3.0,      3.0,      0.0);      ( 645841.0, 4201780.4,      0.4,      3.0,
0.0);
     ( 645941.0, 4201780.4,      0.0,      0.0,      0.0);      ( 646041.0, 4201780.4,      0.0,      0.0,
0.0);
     ( 646141.0, 4201780.4,      0.0,      0.0,      0.0);      ( 646241.0, 4201780.4,      0.0,      0.0,
0.0);
```

```
     ( 646341.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646441.0, 4201780.4,       0.0,       0.0,
0.0);
     ( 646541.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646641.0, 4201780.4,       0.0,       0.0,
0.0);
     ( 646741.0, 4201780.4,       0.0,       0.0,       0.0);        ( 646841.0, 4201780.4,       0.4,       0.4,
0.0);
     ( 646941.0, 4201780.4,       0.0,       0.0,       0.0);        ( 647041.0, 4201780.4,       0.1,       0.1,
0.0);
     ( 647141.0, 4201780.4,       0.4,       0.4,       0.0);        ( 647241.0, 4201780.4,       0.4,       0.4,
0.0);
     ( 647341.0, 4201780.4,       2.1,       2.1,       0.0);        ( 644341.0, 4201880.4,       0.9,       0.9,
0.0);
     ( 644441.0, 4201880.4,       1.2,       1.2,       0.0);        ( 644541.0, 4201880.4,       1.3,       1.3,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644641.0, 4201880.4, 1.5, 1.5, 0.0); (644741.0, 4201880.4, 1.8, 1.8, 0.0);
(644841.0, 4201880.4, 1.9, 1.9, 0.0); (644941.0, 4201880.4, 2.2, 2.2, 0.0);
(645041.0, 4201880.4, 2.6, 2.6, 0.0); (645141.0, 4201880.4, 2.8, 2.8, 0.0);
(645241.0, 4201880.4, 2.9, 2.9, 0.0); (645341.0, 4201880.4, 3.0, 3.0, 0.0);
(645441.0, 4201880.4, 2.3, 2.3, 0.0); (645541.0, 4201880.4, 0.0, 0.0, 0.0);
(645641.0, 4201880.4, 0.0, 0.0, 0.0); (645741.0, 4201880.4, 0.0, 0.0, 0.0);
(645841.0, 4201880.4, 0.0, 0.0, 0.0); (645941.0, 4201880.4, 0.0, 0.0, 0.0);
(646041.0, 4201880.4, 0.5, 3.0, 0.0); (646141.0, 4201880.4, 3.0, 3.0, 0.0);
(646241.0, 4201880.4, 3.0, 3.0, 0.0); (646341.0, 4201880.4, 0.7, 0.7, 0.0);
(646441.0, 4201880.4, 3.0, 3.0, 0.0); (646541.0, 4201880.4, 1.5, 1.5, 0.0);
(646641.0, 4201880.4, 0.2, 0.2, 0.0); (646741.0, 4201880.4, 0.3, 0.3, 0.0);
(646841.0, 4201880.4, 0.0, 0.0, 0.0); (646941.0, 4201880.4, 0.0, 0.0, 0.0);
(647041.0, 4201880.4, 0.0, 0.0, 0.0); (647141.0, 4201880.4, 0.0, 0.0, 0.0);
(647241.0, 4201880.4, 0.0, 0.0, 0.0); (647341.0, 4201880.4, 0.0, 0.0, 0.0);
(644341.0, 4201980.4, 1.3, 1.3, 0.0); (644441.0, 4201980.4, 1.5, 1.5, 0.0);
(644541.0, 4201980.4, 1.8, 1.8, 0.0); (644641.0, 4201980.4, 2.1, 2.1, 0.0);

```
     ( 644741.0, 4201980.4,       2.6,       2.6,       0.0);       ( 644841.0, 4201980.4,       2.9,       2.9,
0.0);
     ( 644941.0, 4201980.4,       3.0,       3.0,       0.0);       ( 645041.0, 4201980.4,       2.8,       2.8,
0.0);
     ( 645141.0, 4201980.4,       1.5,       1.5,       0.0);       ( 645241.0, 4201980.4,       0.0,       0.0,
0.0);
     ( 645341.0, 4201980.4,       0.0,       0.0,       0.0);       ( 645441.0, 4201980.4,       0.0,       0.0,
0.0);
     ( 645541.0, 4201980.4,       0.0,       0.0,       0.0);       ( 645641.0, 4201980.4,       0.9,       3.0,
0.0);
     ( 645741.0, 4201980.4,       3.2,       3.2,       0.0);       ( 645841.0, 4201980.4,       3.0,       3.0,
0.0);
     ( 645941.0, 4201980.4,       1.3,       1.3,       0.0);       ( 646041.0, 4201980.4,       2.8,       2.8,
0.0);
     ( 646141.0, 4201980.4,       2.9,       2.9,       0.0);       ( 646241.0, 4201980.4,       3.0,       3.0,
0.0);
     ( 646341.0, 4201980.4,       2.9,       2.9,       0.0);       ( 646441.0, 4201980.4,       2.7,       2.7,
0.0);
     ( 646541.0, 4201980.4,       2.4,       2.4,       0.0);       ( 646641.0, 4201980.4,       1.7,       1.7,
0.0);
     ( 646741.0, 4201980.4,       1.5,       1.5,       0.0);       ( 646841.0, 4201980.4,       1.5,       1.5,
0.0);
     ( 646941.0, 4201980.4,       1.5,       1.5,       0.0);       ( 647041.0, 4201980.4,       1.5,       1.5,
0.0);
     ( 647141.0, 4201980.4,       1.5,       1.5,       0.0);       ( 647241.0, 4201980.4,       0.8,       0.8,
0.0);
     ( 647341.0, 4201980.4,       0.8,       0.8,       0.0);       ( 644341.0, 4202080.4,       1.6,       1.6,
0.0);
     ( 644441.0, 4202080.4,       2.3,       2.3,       0.0);       ( 644541.0, 4202080.4,       2.7,       2.7,
0.0);
     ( 644641.0, 4202080.4,       2.7,       2.7,       0.0);       ( 644741.0, 4202080.4,       2.9,       2.9,
0.0);
     ( 644841.0, 4202080.4,       2.7,       2.7,       0.0);       ( 644941.0, 4202080.4,       2.0,       2.0,
0.0);
     ( 645041.0, 4202080.4,       0.0,       0.0,       0.0);       ( 645141.0, 4202080.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4202080.4,       0.0,       0.0,       0.0);       ( 645341.0, 4202080.4,       0.0,       0.0,
0.0);
     ( 645441.0, 4202080.4,       1.2,       1.2,       0.0);       ( 645541.0, 4202080.4,       3.6,       3.6,
0.0);
     ( 645641.0, 4202080.4,       3.6,       3.6,       0.0);       ( 645741.0, 4202080.4,       3.3,       3.3,
0.0);
     ( 645841.0, 4202080.4,       3.0,       3.0,       0.0);       ( 645941.0, 4202080.4,       1.3,       1.3,
0.0);
```

```
     ( 646041.0, 4202080.4,       2.8,       2.8,       0.0);        ( 646141.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646241.0, 4202080.4,       3.0,       3.0,       0.0);        ( 646341.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646441.0, 4202080.4,       3.0,       3.0,       0.0);        ( 646541.0, 4202080.4,       3.0,       3.0,
0.0);
     ( 646641.0, 4202080.4,       2.7,       2.7,       0.0);        ( 646741.0, 4202080.4,       2.4,       2.4,
0.0);
     ( 646841.0, 4202080.4,       2.1,       2.1,       0.0);        ( 646941.0, 4202080.4,       1.9,       1.9,
0.0);
     ( 647041.0, 4202080.4,       1.5,       1.5,       0.0);        ( 647141.0, 4202080.4,       1.5,       1.5,
0.0);
     ( 647241.0, 4202080.4,       1.5,       1.5,       0.0);        ( 647341.0, 4202080.4,       1.5,       1.5,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(644341.0, 4202180.4, 2.9, 2.9, 0.0); (644441.0, 4202180.4, 3.0, 3.0, 0.0);
(644541.0, 4202180.4, 2.8, 2.8, 0.0); (644641.0, 4202180.4, 2.3, 2.3, 0.0);
(644741.0, 4202180.4, 0.0, 0.0, 0.0); (644841.0, 4202180.4, 0.0, 0.0, 0.0);
(644941.0, 4202180.4, 0.0, 0.0, 0.0); (645041.0, 4202180.4, 0.2, 0.2, 0.0);
(645141.0, 4202180.4, 0.3, 0.3, 0.0); (645241.0, 4202180.4, 2.4, 2.4, 0.0);
(645341.0, 4202180.4, 3.3, 3.3, 0.0); (645441.0, 4202180.4, 3.5, 3.5, 0.0);
(645541.0, 4202180.4, 4.6, 4.6, 0.0); (645641.0, 4202180.4, 4.3, 4.3, 0.0);
(645741.0, 4202180.4, 3.4, 3.4, 0.0); (645841.0, 4202180.4, 3.1, 3.1, 0.0);
(645941.0, 4202180.4, 3.0, 3.0, 0.0); (646041.0, 4202180.4, 3.0, 3.0, 0.0);
(646141.0, 4202180.4, 3.0, 3.0, 0.0); (646241.0, 4202180.4, 3.2, 3.2, 0.0);
(646341.0, 4202180.4, 2.7, 2.7, 0.0); (646441.0, 4202180.4, 1.5, 1.5, 0.0);
(646541.0, 4202180.4, 1.5, 1.5, 0.0); (646641.0, 4202180.4, 1.1, 1.1, 0.0);
(646741.0, 4202180.4, 3.0, 3.0, 0.0); (646841.0, 4202180.4, 3.0, 3.0, 0.0);
(646941.0, 4202180.4, 2.8, 2.8, 0.0); (647041.0, 4202180.4, 1.6, 1.6, 0.0);
(647141.0, 4202180.4, 1.5, 1.5, 0.0); (647241.0, 4202180.4, 1.5, 1.5, 0.0);
(647341.0, 4202180.4, 1.5, 1.5, 0.0); (644341.0, 4202280.4, 1.5, 1.5, 0.0);

```
     ( 644441.0, 4202280.4,       0.0,       0.0,       0.0);       ( 644541.0, 4202280.4,       0.0,       0.0,
0.0);
     ( 644641.0, 4202280.4,       0.0,       0.0,       0.0);       ( 644741.0, 4202280.4,       0.4,       0.4,
0.0);
     ( 644841.0, 4202280.4,       0.8,       0.8,       0.0);       ( 644941.0, 4202280.4,       0.6,       0.6,
0.0);
     ( 645041.0, 4202280.4,       0.0,       0.0,       0.0);       ( 645141.0, 4202280.4,       0.0,       0.0,
0.0);
     ( 645241.0, 4202280.4,       4.8,       4.8,       0.0);       ( 645341.0, 4202280.4,       5.2,       5.2,
0.0);
     ( 645441.0, 4202280.4,       5.8,       5.8,       0.0);       ( 645541.0, 4202280.4,       5.9,       5.9,
0.0);
     ( 645641.0, 4202280.4,       5.1,       5.1,       0.0);       ( 645741.0, 4202280.4,       4.7,       4.7,
0.0);
     ( 645841.0, 4202280.4,       4.4,       4.4,       0.0);       ( 645941.0, 4202280.4,       4.2,       4.2,
0.0);
     ( 646041.0, 4202280.4,       3.5,       3.5,       0.0);       ( 646141.0, 4202280.4,       2.8,       2.8,
0.0);
     ( 646241.0, 4202280.4,       1.7,       1.7,       0.0);       ( 646341.0, 4202280.4,       1.4,       1.4,
0.0);
     ( 646441.0, 4202280.4,       1.2,       1.2,       0.0);       ( 646541.0, 4202280.4,       1.6,       1.6,
0.0);
     ( 646641.0, 4202280.4,       2.1,       2.1,       0.0);       ( 646741.0, 4202280.4,       2.6,       2.6,
0.0);
     ( 646841.0, 4202280.4,       2.6,       2.6,       0.0);       ( 646941.0, 4202280.4,       2.0,       2.0,
0.0);
     ( 647041.0, 4202280.4,       1.8,       1.8,       0.0);       ( 647141.0, 4202280.4,       1.6,       1.6,
0.0);
     ( 647241.0, 4202280.4,       1.5,       1.5,       0.0);       ( 647341.0, 4202280.4,       1.5,       1.5,
0.0);
     ( 645946.0, 4200731.5,       1.8,       1.8,       0.0);       ( 645933.7, 4200896.5,       2.3,       2.3,
0.0);
     ( 645889.9, 4200889.8,       2.1,       2.1,       0.0);       ( 645847.2, 4200866.2,       1.9,       1.9,
0.0);
     ( 645698.0, 4200718.1,       1.7,       1.7,       0.0);       ( 645704.7, 4200712.5,       1.7,       1.7,
0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1
1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Stockton_2013-2017.SFC Met Version:
18081
Profile file: Stockton_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: STOCKTON Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-22.0	0.211	-9.000	-9.000	-999.	232.	48.8	0.07	2.20	1.00	2.78	149.	10.0	273.8	2.0
13	01	01	1	02	-14.6	0.158	-9.000	-9.000	-999.	152.	27.6	0.04	2.20	1.00	2.37	77.	10.0	273.8	2.0
13	01	01	1	03	-18.4	0.181	-9.000	-9.000	-999.	185.	36.0	0.06	2.20	1.00	2.52	97.	10.0	273.1	2.0
13	01	01	1	04	-6.7	0.105	-9.000	-9.000	-999.	84.	16.0	0.04	2.20	1.00	1.63	349.	10.0	272.5	2.0
13	01	01	1	05	-20.1	0.193	-9.000	-9.000	-999.	203.	40.9	0.04	2.20	1.00	2.86	356.	10.0	274.2	2.0
13	01	01	1	06	-3.9	0.081	-9.000	-9.000	-999.	64.	12.6	0.04	2.20	1.00	1.23	77.	10.0	273.8	2.0
13	01	01	1	07	-18.3	0.180	-9.000	-9.000	-999.	184.	35.8	0.06	2.20	1.00	2.52	255.	10.0	273.1	2.0
13	01	01	1	08	-26.9	0.259	-9.000	-9.000	-999.	316.	73.8	0.08	2.20	0.73	3.29	287.	10.0	274.2	2.0
13	01	01	1	09	-1.9	0.212	-9.000	-9.000	-999.	236.	461.6	0.05	2.20	0.39	2.81	315.	10.0	275.9	2.0
13	01	01	1	10	61.1	0.155	0.630	0.005	150.	147.	-5.5	0.04	2.20	0.27	1.60	336.	10.0	277.5	2.0

```
 13 01 01   1 11  110.2  0.238  1.137  0.005  488.  279.    -11.2  0.06   2.20   0.23    2.45  228.   10.0  279.9
2.0
 13 01 01   1 12  137.1  0.276  1.492  0.008  886.  347.    -14.0  0.08   2.20   0.22    2.69  286.   10.0  280.4
2.0
 13 01 01   1 13  141.1  0.271  1.531  0.007  929.  339.    -12.9  0.05   2.20   0.21    2.88  325.   10.0  282.5
2.0
 13 01 01   1 14  121.3  0.232  1.475  0.006  965.  269.     -9.4  0.04   2.20   0.22    2.57  356.   10.0  283.8
2.0
 13 01 01   1 15   78.7  0.218  1.287  0.005  988.  244.    -12.0  0.04   2.20   0.26    2.47  357.   10.0  284.2
2.0
 13 01 01   1 16   17.6  0.265  0.783  0.005  993.  327.    -96.0  0.03   2.20   0.35    3.59    2.   10.0  284.2
2.0
 13 01 01   1 17  -11.2  0.143 -9.000 -9.000 -999.  139.     24.1  0.04   2.20   0.60    2.16  346.   10.0  282.5
2.0
 13 01 01   1 18   -8.7  0.125 -9.000 -9.000 -999.  107.     20.6  0.08   2.20   1.00    1.67  273.   10.0  279.2
2.0
 13 01 01   1 19  -13.3  0.154 -9.000 -9.000 -999.  145.     26.0  0.06   2.20   1.00    2.15  238.   10.0  278.1
2.0
 13 01 01   1 20  -10.2  0.134 -9.000 -9.000 -999.  117.     21.4  0.06   2.20   1.00    1.89  230.   10.0  275.9
2.0
 13 01 01   1 21  -12.5  0.148 -9.000 -9.000 -999.  137.     24.2  0.05   2.20   1.00    2.11  300.   10.0  276.4
2.0
 13 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.05   2.20   1.00    0.00    0.   10.0  275.9
2.0
 13 01 01   1 23  -24.0  0.230 -9.000 -9.000 -999.  264.     57.9  0.04   2.20   1.00    3.36   80.   10.0  274.2
2.0
 13 01 01   1 24  -16.1  0.169 -9.000 -9.000 -999.  167.     31.3  0.06   2.20   1.00    2.36  100.   10.0  274.2
2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 13 01 01 01   10.0 1  149.    2.78   273.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37889	646506.52	4202111.83	0.35272
645939.20	4200707.16	18.47537	644341.01	4199280.37	0.21380
644441.01	4199280.37	0.22674	644541.01	4199280.37	0.24146
644641.01	4199280.37	0.25833	644741.01	4199280.37	0.27759
644841.01	4199280.37	0.29921	644941.01	4199280.37	0.32284
645041.01	4199280.37	0.34765	645141.01	4199280.37	0.37238
645241.01	4199280.37	0.39542	645341.01	4199280.37	0.41513
645441.01	4199280.37	0.43073	645541.01	4199280.37	0.44287
645641.01	4199280.37	0.45351	645741.01	4199280.37	0.46497
645841.01	4199280.37	0.47860	645941.01	4199280.37	0.49413
646041.01	4199280.37	0.51018	646141.01	4199280.37	0.52517
646241.01	4199280.37	0.53791	646341.01	4199280.37	0.54753
646441.01	4199280.37	0.55348	646541.01	4199280.37	0.55557
646641.01	4199280.37	0.55393	646741.01	4199280.37	0.54892
646841.01	4199280.37	0.54122	646941.01	4199280.37	0.53061
647041.01	4199280.37	0.51851	647141.01	4199280.37	0.50474
647241.01	4199280.37	0.49020	647341.01	4199280.37	0.47489
644341.01	4199380.37	0.22602	644441.01	4199380.37	0.23990
644541.01	4199380.37	0.25565	644641.01	4199380.37	0.27375

644741.01	4199380.37	0.29465	644841.01	4199380.37	0.31857
644941.01	4199380.37	0.34535	645041.01	4199380.37	0.37425
645141.01	4199380.37	0.40388	645241.01	4199380.37	0.43225
645341.01	4199380.37	0.45718	645441.01	4199380.37	0.47724
645541.01	4199380.37	0.49291	645641.01	4199380.37	0.50655
645741.01	4199380.37	0.52114	645841.01	4199380.37	0.53825
645941.01	4199380.37	0.55723	646041.01	4199380.37	0.57608
646141.01	4199380.37	0.59286	646241.01	4199380.37	0.60631
646341.01	4199380.37	0.61575	646441.01	4199380.37	0.62079
646541.01	4199380.37	0.62133	646641.01	4199380.37	0.61753
646741.01	4199380.37	0.60975	646841.01	4199380.37	0.59849
646941.01	4199380.37	0.58441	647041.01	4199380.37	0.56852
647141.01	4199380.37	0.55088	647241.01	4199380.37	0.53234
647341.01	4199380.37	0.51312	644341.01	4199480.37	0.23953
644441.01	4199480.37	0.25464	644541.01	4199480.37	0.27165
644641.01	4199480.37	0.29114	644741.01	4199480.37	0.31377
644841.01	4199480.37	0.34010	644941.01	4199480.37	0.37029
645041.01	4199480.37	0.40383	645141.01	4199480.37	0.43930
645241.01	4199480.37	0.47435	645341.01	4199480.37	0.50606
645441.01	4199480.37	0.53211	645541.01	4199480.37	0.55255
645641.01	4199480.37	0.57025	645741.01	4199480.37	0.58906

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.61086	645941.01	4199480.37	0.63433
646041.01	4199480.37	0.65657	646141.01	4199480.37	0.67519
646241.01	4199480.37	0.68907	646341.01	4199480.37	0.69787
646441.01	4199480.37	0.70144	646541.01	4199480.37	0.69969
646641.01	4199480.37	0.69270	646741.01	4199480.37	0.68086
646841.01	4199480.37	0.66522	646941.01	4199480.37	0.64574
647041.01	4199480.37	0.62485	647141.01	4199480.37	0.60210
647241.01	4199480.37	0.57848	647341.01	4199480.37	0.55433
644341.01	4199580.37	0.25438	644441.01	4199580.37	0.27107
644541.01	4199580.37	0.28971	644641.01	4199580.37	0.31091
644741.01	4199580.37	0.33549	644841.01	4199580.37	0.36437
644941.01	4199580.37	0.39819	645041.01	4199580.37	0.43692
645141.01	4199580.37	0.47932	645241.01	4199580.37	0.52274
645341.01	4199580.37	0.56335	645441.01	4199580.37	0.59754
645541.01	4199580.37	0.62456	645641.01	4199580.37	0.64781
645741.01	4199580.37	0.67243	645841.01	4199580.37	0.70065
645941.01	4199580.37	0.73004	646041.01	4199580.37	0.75635
646141.01	4199580.37	0.77673	646241.01	4199580.37	0.79051
646341.01	4199580.37	0.79798	646441.01	4199580.37	0.79919

646541.01	4199580.37	0.79388	646641.01	4199580.37	0.78201
646741.01	4199580.37	0.76416	646841.01	4199580.37	0.74201
646941.01	4199580.37	0.71543	647041.01	4199580.37	0.68777
647141.01	4199580.37	0.65843	647241.01	4199580.37	0.62841
647341.01	4199580.37	0.59810	644341.01	4199680.37	0.27053
644441.01	4199680.37	0.28924	644541.01	4199680.37	0.31001
644641.01	4199680.37	0.33344	644741.01	4199680.37	0.36041
644841.01	4199680.37	0.39212	644941.01	4199680.37	0.42984
645041.01	4199680.37	0.47428	645141.01	4199680.37	0.52480
645241.01	4199680.37	0.57868	645341.01	4199680.37	0.63109
645441.01	4199680.37	0.67656	645541.01	4199680.37	0.71284
645641.01	4199680.37	0.74386	645741.01	4199680.37	0.77663
645841.01	4199680.37	0.81379	645941.01	4199680.37	0.85107
646041.01	4199680.37	0.88220	646141.01	4199680.37	0.90398
646241.01	4199680.37	0.91674	646341.01	4199680.37	0.92170
646441.01	4199680.37	0.91897	646541.01	4199680.37	0.90789
646641.01	4199680.37	0.88842	646741.01	4199680.37	0.86166
646841.01	4199680.37	0.83017	646941.01	4199680.37	0.79417
647041.01	4199680.37	0.75760	647141.01	4199680.37	0.71969
647241.01	4199680.37	0.68158	647341.01	4199680.37	0.64372
644341.01	4199780.37	0.28788	644441.01	4199780.37	0.30909

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.33263	644641.01	4199780.37	0.35902
644741.01	4199780.37	0.38913	644841.01	4199780.37	0.42431
644941.01	4199780.37	0.46636	645041.01	4199780.37	0.51705
645141.01	4199780.37	0.57691	645241.01	4199780.37	0.64381
645341.01	4199780.37	0.71199	645441.01	4199780.37	0.77338
645541.01	4199780.37	0.82306	645641.01	4199780.37	0.86524
645741.01	4199780.37	0.90972	645841.01	4199780.37	0.95960
645941.01	4199780.37	1.00747	646041.01	4199780.37	1.04414
646141.01	4199780.37	1.06640	646241.01	4199780.37	1.07649
646341.01	4199780.37	1.07682	646441.01	4199780.37	1.06721
646541.01	4199780.37	1.04654	646641.01	4199780.37	1.01519
646741.01	4199780.37	0.97543	646841.01	4199780.37	0.93022
646941.01	4199780.37	0.88253	647041.01	4199780.37	0.83422
647141.01	4199780.37	0.78539	647241.01	4199780.37	0.73724
647341.01	4199780.37	0.69037	644341.01	4199880.37	0.30625
644441.01	4199880.37	0.33046	644541.01	4199880.37	0.35746
644641.01	4199880.37	0.38775	644741.01	4199880.37	0.42213
644841.01	4199880.37	0.46191	644941.01	4199880.37	0.50922
645041.01	4199880.37	0.56691	645141.01	4199880.37	0.63739

645241.01	4199880.37	0.72026	645341.01	4199880.37	0.80962
645441.01	4199880.37	0.89406	645541.01	4199880.37	0.96382
645641.01	4199880.37	1.02259	645741.01	4199880.37	1.08439
645841.01	4199880.37	1.15274	645941.01	4199880.37	1.21490
646041.01	4199880.37	1.25749	646141.01	4199880.37	1.27820
646241.01	4199880.37	1.28237	646341.01	4199880.37	1.27382
646441.01	4199880.37	1.25191	646541.01	4199880.37	1.21531
646641.01	4199880.37	1.16617	646741.01	4199880.37	1.10755
646841.01	4199880.37	1.04430	646941.01	4199880.37	0.98078
647041.01	4199880.37	0.91694	647141.01	4199880.37	0.85447
647241.01	4199880.37	0.79421	647341.01	4199880.37	0.73692
644341.01	4199980.37	0.32536	644441.01	4199980.37	0.35305
644541.01	4199980.37	0.38423	644641.01	4199980.37	0.41946
644741.01	4199980.37	0.45955	644841.01	4199980.37	0.50572
644941.01	4199980.37	0.56013	645041.01	4199980.37	0.62631
645141.01	4199980.37	0.70893	645241.01	4199980.37	0.81107
645341.01	4199980.37	0.92884	645441.01	4199980.37	1.04744
645541.01	4199980.37	1.14868	645641.01	4199980.37	1.23343
645741.01	4199980.37	1.32237	645841.01	4199980.37	1.41762
645941.01	4199980.37	1.49881	646041.01	4199980.37	1.54650
646141.01	4199980.37	1.56099	646241.01	4199980.37	1.55231

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.52644	646441.01	4199980.37	1.48264
646541.01	4199980.37	1.42020	646641.01	4199980.37	1.34320
646741.01	4199980.37	1.25896	646841.01	4199980.37	1.17304
646941.01	4199980.37	1.08757	647041.01	4199980.37	1.00467
647141.01	4199980.37	0.92547	647241.01	4199980.37	0.85098
647341.01	4199980.37	0.78189	644341.01	4200080.37	0.34476
644441.01	4200080.37	0.37640	644541.01	4200080.37	0.41243
644641.01	4200080.37	0.45366	644741.01	4200080.37	0.50106
644841.01	4200080.37	0.55598	644941.01	4200080.37	0.62050
645041.01	4200080.37	0.69831	645141.01	4200080.37	0.79580
645241.01	4200080.37	0.92101	645341.01	4200080.37	1.07647
645441.01	4200080.37	1.24679	645541.01	4200080.37	1.40020
645641.01	4200080.37	1.52806	645741.01	4200080.37	1.66080
645841.01	4200080.37	1.79920	645941.01	4200080.37	1.90560
646041.01	4200080.37	1.95430	646141.01	4200080.37	1.94812
646241.01	4200080.37	1.91126	646341.01	4200080.37	1.85174
646441.01	4200080.37	1.76987	646541.01	4200080.37	1.66875
646641.01	4200080.37	1.55256	646741.01	4200080.37	1.43268
646841.01	4200080.37	1.31493	646941.01	4200080.37	1.20189

647041.01	4200080.37	1.09511	647141.01	4200080.37	0.99603
647241.01	4200080.37	0.90538	647341.01	4200080.37	0.82366
644341.01	4200180.37	0.36389	644441.01	4200180.37	0.39979
644541.01	4200180.37	0.44126	644641.01	4200180.37	0.48944
644741.01	4200180.37	0.54574	644841.01	4200180.37	0.61200
644941.01	4200180.37	0.69068	645041.01	4200180.37	0.78565
645141.01	4200180.37	0.90396	645241.01	4200180.37	1.05821
645341.01	4200180.37	1.26299	645441.01	4200180.37	1.51273
645541.01	4200180.37	1.75833	645641.01	4200180.37	1.96536
645741.01	4200180.37	2.17535	645841.01	4200180.37	2.37861
645941.01	4200180.37	2.50983	646041.01	4200180.37	2.54047
646141.01	4200180.37	2.48896	646241.01	4200180.37	2.39146
646341.01	4200180.37	2.26876	646441.01	4200180.37	2.12884
646541.01	4200180.37	1.96614	646641.01	4200180.37	1.79573
646741.01	4200180.37	1.62841	646841.01	4200180.37	1.46918
646941.01	4200180.37	1.32050	647041.01	4200180.37	1.18447
647141.01	4200180.37	1.06249	647241.01	4200180.37	0.95460
647341.01	4200180.37	0.86022	644341.01	4200280.37	0.38241
644441.01	4200280.37	0.42262	644541.01	4200280.37	0.46978
644641.01	4200280.37	0.52552	644741.01	4200280.37	0.59198
644841.01	4200280.37	0.67194	644941.01	4200280.37	0.76916

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.88883	645141.01	4200280.37	1.03916
645241.01	4200280.37	1.23556	645341.01	4200280.37	1.50690
645441.01	4200280.37	1.87935	645541.01	4200280.37	2.30040
645641.01	4200280.37	2.67249	645741.01	4200280.37	3.03801
645841.01	4200280.37	3.33379	645941.01	4200280.37	3.46125
646041.01	4200280.37	3.40993	646141.01	4200280.37	3.24074
646241.01	4200280.37	3.02296	646341.01	4200280.37	2.80678
646441.01	4200280.37	2.57391	646541.01	4200280.37	2.32634
646641.01	4200280.37	2.07988	646741.01	4200280.37	1.84645
646841.01	4200280.37	1.63093	646941.01	4200280.37	1.43695
647041.01	4200280.37	1.26694	647141.01	4200280.37	1.12065
647241.01	4200280.37	0.99604	647341.01	4200280.37	0.89019
644341.01	4200380.37	0.40091	644441.01	4200380.37	0.44517
644541.01	4200380.37	0.49787	644641.01	4200380.37	0.56119
644741.01	4200380.37	0.63824	644841.01	4200380.37	0.73333
644941.01	4200380.37	0.85248	645041.01	4200380.37	1.00444
645141.01	4200380.37	1.20219	645241.01	4200380.37	1.46741
645341.01	4200380.37	1.84259	645441.01	4200380.37	2.41471
645541.01	4200380.37	3.19689	645641.01	4200380.37	3.98618

645741.01	4200380.37	4.70363	645841.01	4200380.37	5.07747
645941.01	4200380.37	5.01855	646041.01	4200380.37	4.68660
646141.01	4200380.37	4.26598	646241.01	4200380.37	3.86373
646341.01	4200380.37	3.50788	646441.01	4200380.37	3.14533
646541.01	4200380.37	2.77184	646641.01	4200380.37	2.41060
646741.01	4200380.37	2.07938	646841.01	4200380.37	1.78811
646941.01	4200380.37	1.54091	647041.01	4200380.37	1.33584
647141.01	4200380.37	1.16708	647241.01	4200380.37	1.02805
647341.01	4200380.37	0.91281	644341.01	4200480.37	0.42105
644441.01	4200480.37	0.46928	644541.01	4200480.37	0.52750
644641.01	4200480.37	0.59823	644741.01	4200480.37	0.68576
644841.01	4200480.37	0.79611	644941.01	4200480.37	0.93845
645041.01	4200480.37	1.12725	645141.01	4200480.37	1.38604
645241.01	4200480.37	1.75607	645341.01	4200480.37	2.31685
645441.01	4200480.37	3.23819	645541.01	4200480.37	4.93076
645641.01	4200480.37	7.21068	645741.01	4200480.37	8.89447
645841.01	4200480.37	8.65369	645941.01	4200480.37	7.61308
646041.01	4200480.37	6.54287	646141.01	4200480.37	5.68480
646241.01	4200480.37	5.03189	646341.01	4200480.37	4.49316
646441.01	4200480.37	3.92660	646541.01	4200480.37	3.33102
646641.01	4200480.37	2.77572	646741.01	4200480.37	2.30211

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.92090	646941.01	4200480.37	1.62116
647041.01	4200480.37	1.38594	647141.01	4200480.37	1.19937
647241.01	4200480.37	1.04945	647341.01	4200480.37	0.92725
644341.01	4200580.37	0.44362	644441.01	4200580.37	0.49616
644541.01	4200580.37	0.55973	644641.01	4200580.37	0.63796
644741.01	4200580.37	0.73607	644841.01	4200580.37	0.86193
644941.01	4200580.37	1.02799	645041.01	4200580.37	1.25504
645141.01	4200580.37	1.58036	645241.01	4200580.37	2.07542
645341.01	4200580.37	2.91304	645441.01	4200580.37	4.55873
645541.01	4200580.37	9.24996	645641.01	4200580.37	24.43051
645741.01	4200580.37	23.24709	645841.01	4200580.37	15.92558
645941.01	4200580.37	11.59775	646041.01	4200580.37	9.05086
646141.01	4200580.37	7.70445	646241.01	4200580.37	6.89191
646341.01	4200580.37	6.12603	646441.01	4200580.37	5.07247
646541.01	4200580.37	3.98750	646641.01	4200580.37	3.11188
646741.01	4200580.37	2.47111	646841.01	4200580.37	2.00893
646941.01	4200580.37	1.66931	647041.01	4200580.37	1.41318
647141.01	4200580.37	1.21506	647241.01	4200580.37	1.05840
647341.01	4200580.37	0.93212	644341.01	4200680.37	0.46680

644441.01	4200680.37	0.52360	644541.01	4200680.37	0.59284
644641.01	4200680.37	0.67867	644741.01	4200680.37	0.78742
644841.01	4200680.37	0.92844	644941.01	4200680.37	1.11733
645041.01	4200680.37	1.38100	645141.01	4200680.37	1.77018
645241.01	4200680.37	2.39255	645341.01	4200680.37	3.50402
645441.01	4200680.37	6.11944	645541.01	4200680.37	17.11006
645641.01	4200680.37	67.91141	645741.01	4200680.37	78.58270
645841.01	4200680.37	31.45465	645941.01	4200680.37	16.94278
646041.01	4200680.37	12.39516	646141.01	4200680.37	11.40204
646241.01	4200680.37	11.19322	646341.01	4200680.37	9.66545
646441.01	4200680.37	6.61562	646541.01	4200680.37	4.53092
646641.01	4200680.37	3.30834	646741.01	4200680.37	2.54658
646841.01	4200680.37	2.03801	646941.01	4200680.37	1.67873
647041.01	4200680.37	1.41369	647141.01	4200680.37	1.21144
647241.01	4200680.37	1.05290	647341.01	4200680.37	0.92587
644341.01	4200780.37	0.48671	644441.01	4200780.37	0.54717
644541.01	4200780.37	0.62105	644641.01	4200780.37	0.71282
644741.01	4200780.37	0.82934	644841.01	4200780.37	0.98108
644941.01	4200780.37	1.18515	645041.01	4200780.37	1.47136
645141.01	4200780.37	1.89408	645241.01	4200780.37	2.56747
645341.01	4200780.37	3.74859	645441.01	4200780.37	6.21066

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	12.29681	645641.01	4200780.37	30.94055
645741.01	4200780.37	63.19826	646041.01	4200780.37	18.86364
646141.01	4200780.37	25.23023	646241.01	4200780.37	38.04275
646341.01	4200780.37	16.42669	646441.01	4200780.37	7.40474
646541.01	4200780.37	4.61914	646641.01	4200780.37	3.28164
646741.01	4200780.37	2.50274	646841.01	4200780.37	1.99551
646941.01	4200780.37	1.64156	647041.01	4200780.37	1.38204
647141.01	4200780.37	1.18462	647241.01	4200780.37	1.03011
647341.01	4200780.37	0.90638	644341.01	4200880.37	0.49996
644441.01	4200880.37	0.56235	644541.01	4200880.37	0.63843
644641.01	4200880.37	0.73304	644741.01	4200880.37	0.85267
644841.01	4200880.37	1.00779	644941.01	4200880.37	1.21480
645041.01	4200880.37	1.50107	645141.01	4200880.37	1.91559
645241.01	4200880.37	2.54906	645341.01	4200880.37	3.58371
645441.01	4200880.37	5.34839	645541.01	4200880.37	8.24343
645641.01	4200880.37	13.26642	645741.01	4200880.37	29.08348
645841.01	4200880.37	55.81047	645941.01	4200880.37	34.54732
646041.01	4200880.37	64.71563	646141.01	4200880.37	52.91532
646241.01	4200880.37	29.33809	646341.01	4200880.37	10.84982

646441.01	4200880.37	6.08694	646541.01	4200880.37	4.06256
646641.01	4200880.37	2.97539	646741.01	4200880.37	2.30998
646841.01	4200880.37	1.86423	646941.01	4200880.37	1.54673
647041.01	4200880.37	1.31074	647141.01	4200880.37	1.12937
647241.01	4200880.37	0.98623	647341.01	4200880.37	0.87085
644341.01	4200980.37	0.50510	644441.01	4200980.37	0.56753
644541.01	4200980.37	0.64331	644641.01	4200980.37	0.73686
644741.01	4200980.37	0.85460	644841.01	4200980.37	1.00536
644941.01	4200980.37	1.20340	645041.01	4200980.37	1.47113
645141.01	4200980.37	1.84514	645241.01	4200980.37	2.38510
645341.01	4200980.37	3.17101	645441.01	4200980.37	4.28280
645541.01	4200980.37	5.78905	645641.01	4200980.37	7.93075
645741.01	4200980.37	11.72971	645841.01	4200980.37	20.02686
645941.01	4200980.37	27.19971	646041.01	4200980.37	18.29539
646141.01	4200980.37	12.43518	646241.01	4200980.37	8.25319
646341.01	4200980.37	5.61903	646441.01	4200980.37	4.06053
646541.01	4200980.37	3.08223	646641.01	4200980.37	2.42936
646741.01	4200980.37	1.97260	646841.01	4200980.37	1.63997
646941.01	4200980.37	1.38967	647041.01	4200980.37	1.19583
647141.01	4200980.37	1.04249	647241.01	4200980.37	0.91879
647341.01	4200980.37	0.81735	644341.01	4201080.37	0.50292

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.56362	644541.01	4201080.37	0.63695
644641.01	4201080.37	0.72657	644741.01	4201080.37	0.83793
644841.01	4201080.37	0.97841	644941.01	4201080.37	1.15932
645041.01	4201080.37	1.39725	645141.01	4201080.37	1.71445
645241.01	4201080.37	2.13662	645341.01	4201080.37	2.68358
645441.01	4201080.37	3.35615	645541.01	4201080.37	4.15284
645641.01	4201080.37	5.12142	645741.01	4201080.37	6.25296
645841.01	4201080.37	7.44319	645941.01	4201080.37	7.49319
646041.01	4201080.37	6.43356	646141.01	4201080.37	5.31047
646241.01	4201080.37	4.22960	646341.01	4201080.37	3.36616
646441.01	4201080.37	2.70963	646541.01	4201080.37	2.22880
646641.01	4201080.37	1.86775	646741.01	4201080.37	1.58948
646841.01	4201080.37	1.36993	646941.01	4201080.37	1.19312
647041.01	4201080.37	1.04912	647141.01	4201080.37	0.93030
647241.01	4201080.37	0.83121	647341.01	4201080.37	0.74774
644341.01	4201180.37	0.49510	644441.01	4201180.37	0.55290
644541.01	4201180.37	0.62216	644641.01	4201180.37	0.70593
644741.01	4201180.37	0.80844	644841.01	4201180.37	0.93573
644941.01	4201180.37	1.09574	645041.01	4201180.37	1.29801

645141.01	4201180.37	1.55231	645241.01	4201180.37	1.86292
645341.01	4201180.37	2.22557	645441.01	4201180.37	2.62514
645541.01	4201180.37	3.04941	645641.01	4201180.37	3.49333
645741.01	4201180.37	3.89904	645841.01	4201180.37	4.08054
645941.01	4201180.37	3.95424	646041.01	4201180.37	3.56761
646141.01	4201180.37	3.07255	646241.01	4201180.37	2.62418
646341.01	4201180.37	2.23620	646441.01	4201180.37	1.90843
646541.01	4201180.37	1.64384	646641.01	4201180.37	1.43163
646741.01	4201180.37	1.25924	646841.01	4201180.37	1.11690
646941.01	4201180.37	0.99732	647041.01	4201180.37	0.89577
647141.01	4201180.37	0.80878	647241.01	4201180.37	0.73380
647341.01	4201180.37	0.66876	644341.01	4201280.37	0.48340
644441.01	4201280.37	0.53763	644541.01	4201280.37	0.60200
644641.01	4201280.37	0.67903	644741.01	4201280.37	0.77190
644841.01	4201280.37	0.88482	644941.01	4201280.37	1.02213
645041.01	4201280.37	1.18734	645141.01	4201280.37	1.38133
645241.01	4201280.37	1.60083	645341.01	4201280.37	1.83528
645441.01	4201280.37	2.07179	645541.01	4201280.37	2.29911
645641.01	4201280.37	2.50077	645741.01	4201280.37	2.63488
645841.01	4201280.37	2.64856	645941.01	4201280.37	2.52620
646041.01	4201280.37	2.30378	646141.01	4201280.37	2.06894

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.83598	646341.01	4201280.37	1.62022
646441.01	4201280.37	1.42712	646541.01	4201280.37	1.26301
646641.01	4201280.37	1.12544	646741.01	4201280.37	1.01028
646841.01	4201280.37	0.91296	646941.01	4201280.37	0.82968
647041.01	4201280.37	0.75746	647141.01	4201280.37	0.69430
647241.01	4201280.37	0.63861	647341.01	4201280.37	0.58923
644341.01	4201380.37	0.46920	644441.01	4201380.37	0.51965
644541.01	4201380.37	0.57884	644641.01	4201380.37	0.64881
644741.01	4201380.37	0.73155	644841.01	4201380.37	0.82921
644941.01	4201380.37	0.94311	645041.01	4201380.37	1.07296
645141.01	4201380.37	1.21613	645241.01	4201380.37	1.36709
645341.01	4201380.37	1.51730	645441.01	4201380.37	1.65619
645541.01	4201380.37	1.77405	645641.01	4201380.37	1.85811
645741.01	4201380.37	1.89120	645841.01	4201380.37	1.86189
645941.01	4201380.37	1.77366	646041.01	4201380.37	1.64904
646141.01	4201380.37	1.50852	646241.01	4201380.37	1.37784
646341.01	4201380.37	1.24534	646441.01	4201380.37	1.12028
646541.01	4201380.37	1.00920	646641.01	4201380.37	0.91294
646741.01	4201380.37	0.83023	646841.01	4201380.37	0.75910

646941.01	4201380.37	0.69756	647041.01	4201380.37	0.64383
647141.01	4201380.37	0.59647	647241.01	4201380.37	0.55431
647341.01	4201380.37	0.51651	644341.01	4201480.37	0.45347
644441.01	4201480.37	0.50003	644541.01	4201480.37	0.55392
644641.01	4201480.37	0.61642	644741.01	4201480.37	0.68858
644841.01	4201480.37	0.77065	644941.01	4201480.37	0.86220
645041.01	4201480.37	0.96140	645141.01	4201480.37	1.06486
645241.01	4201480.37	1.16752	645341.01	4201480.37	1.26169
645441.01	4201480.37	1.33998	645541.01	4201480.37	1.39593
645641.01	4201480.37	1.42449	645741.01	4201480.37	1.42194
645841.01	4201480.37	1.38805	645941.01	4201480.37	1.32694
646041.01	4201480.37	1.24918	646141.01	4201480.37	1.16319
646241.01	4201480.37	1.08086	646341.01	4201480.37	0.99463
646441.01	4201480.37	0.91002	646541.01	4201480.37	0.83156
646641.01	4201480.37	0.76130	646741.01	4201480.37	0.69919
646841.01	4201480.37	0.64454	646941.01	4201480.37	0.59662
647041.01	4201480.37	0.55448	647141.01	4201480.37	0.51717
647241.01	4201480.37	0.48391	647341.01	4201480.37	0.45402
644341.01	4201580.37	0.43678	644441.01	4201580.37	0.47931
644541.01	4201580.37	0.52771	644641.01	4201580.37	0.58254
644741.01	4201580.37	0.64388	644841.01	4201580.37	0.71109

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.78297	645041.01	4201580.37	0.85734
645141.01	4201580.37	0.93097	645241.01	4201580.37	0.99883
645341.01	4201580.37	1.05552	645441.01	4201580.37	1.09639
645541.01	4201580.37	1.11892	645641.01	4201580.37	1.12275
645741.01	4201580.37	1.10905	645841.01	4201580.37	1.08006
645941.01	4201580.37	1.03778	646041.01	4201580.37	0.98666
646141.01	4201580.37	0.93063	646241.01	4201580.37	0.87407
646341.01	4201580.37	0.81666	646441.01	4201580.37	0.75729
646541.01	4201580.37	0.70033	646641.01	4201580.37	0.64788
646741.01	4201580.37	0.60013	646841.01	4201580.37	0.55714
646941.01	4201580.37	0.51874	647041.01	4201580.37	0.48455
647141.01	4201580.37	0.45404	647241.01	4201580.37	0.42670
647341.01	4201580.37	0.40211	644341.01	4201680.37	0.41942
644441.01	4201680.37	0.45778	644541.01	4201680.37	0.50051
644641.01	4201680.37	0.54768	644741.01	4201680.37	0.59866
644841.01	4201680.37	0.65259	644941.01	4201680.37	0.70810
645041.01	4201680.37	0.76277	645141.01	4201680.37	0.81360
645241.01	4201680.37	0.85680	645341.01	4201680.37	0.88869
645441.01	4201680.37	0.90717	645541.01	4201680.37	0.91258

645641.01	4201680.37	0.90705	645741.01	4201680.37	0.89153
645841.01	4201680.37	0.86856	645941.01	4201680.37	0.83846
646041.01	4201680.37	0.80402	646141.01	4201680.37	0.76538
646241.01	4201680.37	0.72571	646341.01	4201680.37	0.68385
646441.01	4201680.37	0.64174	646541.01	4201680.37	0.59945
646641.01	4201680.37	0.55951	646741.01	4201680.37	0.52247
646841.01	4201680.37	0.48835	646941.01	4201680.37	0.45721
647041.01	4201680.37	0.42854	647141.01	4201680.37	0.40345
647241.01	4201680.37	0.38043	647341.01	4201680.37	0.35963
644341.01	4201780.37	0.40160	644441.01	4201780.37	0.43564
644541.01	4201780.37	0.47278	644641.01	4201780.37	0.51248
644741.01	4201780.37	0.55417	644841.01	4201780.37	0.59667
644941.01	4201780.37	0.63852	645041.01	4201780.37	0.67772
645141.01	4201780.37	0.71157	645241.01	4201780.37	0.73740
645341.01	4201780.37	0.75338	645441.01	4201780.37	0.75950
645541.01	4201780.37	0.75707	645641.01	4201780.37	0.74823
645741.01	4201780.37	0.73437	645841.01	4201780.37	0.71580
645941.01	4201780.37	0.69405	646041.01	4201780.37	0.66976
646141.01	4201780.37	0.64310	646241.01	4201780.37	0.61421
646341.01	4201780.37	0.58336	646441.01	4201780.37	0.55129
646541.01	4201780.37	0.51924	646641.01	4201780.37	0.48834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.45920	646841.01	4201780.37	0.43211
646941.01	4201780.37	0.40670	647041.01	4201780.37	0.38337
647141.01	4201780.37	0.36199	647241.01	4201780.37	0.34238
647341.01	4201780.37	0.32469	644341.01	4201880.37	0.38337
644441.01	4201880.37	0.41319	644541.01	4201880.37	0.44480
644641.01	4201880.37	0.47772	644741.01	4201880.37	0.51112
644841.01	4201880.37	0.54390	644941.01	4201880.37	0.57471
645041.01	4201880.37	0.60174	645141.01	4201880.37	0.62314
645241.01	4201880.37	0.63739	645341.01	4201880.37	0.64393
645441.01	4201880.37	0.64378	645541.01	4201880.37	0.63741
645641.01	4201880.37	0.62820	645741.01	4201880.37	0.61640
645841.01	4201880.37	0.60256	645941.01	4201880.37	0.58686
646041.01	4201880.37	0.56953	646141.01	4201880.37	0.55025
646241.01	4201880.37	0.52856	646341.01	4201880.37	0.50493
646441.01	4201880.37	0.48054	646541.01	4201880.37	0.45572
646641.01	4201880.37	0.43098	646741.01	4201880.37	0.40771
646841.01	4201880.37	0.38564	646941.01	4201880.37	0.36497
647041.01	4201880.37	0.34560	647141.01	4201880.37	0.32754
647241.01	4201880.37	0.31079	647341.01	4201880.37	0.29532

644341.01	4201980.37	0.36492	644441.01	4201980.37	0.39057
644541.01	4201980.37	0.41707	644641.01	4201980.37	0.44379
644741.01	4201980.37	0.46994	644841.01	4201980.37	0.49459
644941.01	4201980.37	0.51654	645041.01	4201980.37	0.53454
645141.01	4201980.37	0.54728	645241.01	4201980.37	0.55363
645341.01	4201980.37	0.55483	645441.01	4201980.37	0.55145
645541.01	4201980.37	0.54490	645641.01	4201980.37	0.53675
645741.01	4201980.37	0.52708	645841.01	4201980.37	0.51642
645941.01	4201980.37	0.50472	646041.01	4201980.37	0.49172
646141.01	4201980.37	0.47694	646241.01	4201980.37	0.46027
646341.01	4201980.37	0.44210	646441.01	4201980.37	0.42290
646541.01	4201980.37	0.40329	646641.01	4201980.37	0.38380
646741.01	4201980.37	0.36490	646841.01	4201980.37	0.34689
646941.01	4201980.37	0.32982	647041.01	4201980.37	0.31368
647141.01	4201980.37	0.29846	647241.01	4201980.37	0.28406
647341.01	4201980.37	0.27068	644341.01	4202080.37	0.34632
644441.01	4202080.37	0.36799	644541.01	4202080.37	0.38971
644641.01	4202080.37	0.41098	644741.01	4202080.37	0.43104
644841.01	4202080.37	0.44914	644941.01	4202080.37	0.46434
645041.01	4202080.37	0.47525	645141.01	4202080.37	0.48212
645241.01	4202080.37	0.48446	645341.01	4202080.37	0.48279

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.47851	645541.01	4202080.37	0.47191
645641.01	4202080.37	0.46442	645741.01	4202080.37	0.45652
645841.01	4202080.37	0.44827	645941.01	4202080.37	0.43942
646041.01	4202080.37	0.42958	646141.01	4202080.37	0.41819
646241.01	4202080.37	0.40521	646341.01	4202080.37	0.39081
646441.01	4202080.37	0.37549	646541.01	4202080.37	0.35973
646641.01	4202080.37	0.34398	646741.01	4202080.37	0.32855
646841.01	4202080.37	0.31366	646941.01	4202080.37	0.29943
647041.01	4202080.37	0.28589	647141.01	4202080.37	0.27303
647241.01	4202080.37	0.26084	647341.01	4202080.37	0.24930
644341.01	4202180.37	0.32762	644441.01	4202180.37	0.34557
644541.01	4202180.37	0.36313	644641.01	4202180.37	0.37974
644741.01	4202180.37	0.39447	644841.01	4202180.37	0.40732
644941.01	4202180.37	0.41735	645041.01	4202180.37	0.42407
645141.01	4202180.37	0.42720	645241.01	4202180.37	0.42720
645341.01	4202180.37	0.42400	645441.01	4202180.37	0.41898
645541.01	4202180.37	0.41273	645641.01	4202180.37	0.40638
645741.01	4202180.37	0.40010	645841.01	4202180.37	0.39365
645941.01	4202180.37	0.38683	646041.01	4202180.37	0.37922

646141.01	4202180.37	0.37036	646241.01	4202180.37	0.36005
646341.01	4202180.37	0.34855	646441.01	4202180.37	0.33614
646541.01	4202180.37	0.32328	646641.01	4202180.37	0.31028
646741.01	4202180.37	0.29751	646841.01	4202180.37	0.28507
646941.01	4202180.37	0.27313	647041.01	4202180.37	0.26170
647141.01	4202180.37	0.25078	647241.01	4202180.37	0.24035
647341.01	4202180.37	0.23041	644341.01	4202280.37	0.30908
644441.01	4202280.37	0.32351	644541.01	4202280.37	0.33734
644641.01	4202280.37	0.34996	644741.01	4202280.37	0.36102
644841.01	4202280.37	0.36994	644941.01	4202280.37	0.37624
645041.01	4202280.37	0.37965	645141.01	4202280.37	0.38038
645241.01	4202280.37	0.37859	645341.01	4202280.37	0.37482
645441.01	4202280.37	0.36984	645541.01	4202280.37	0.36443
645641.01	4202280.37	0.35917	645741.01	4202280.37	0.35399
645841.01	4202280.37	0.34891	645941.01	4202280.37	0.34362
646041.01	4202280.37	0.33776	646141.01	4202280.37	0.33083
646241.01	4202280.37	0.32260	646341.01	4202280.37	0.31317
646441.01	4202280.37	0.30295	646541.01	4202280.37	0.29238
646641.01	4202280.37	0.28164	646741.01	4202280.37	0.27092
646841.01	4202280.37	0.26045	646941.01	4202280.37	0.25032
647041.01	4202280.37	0.24055	647141.01	4202280.37	0.23118

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.22221	647341.01	4202280.37	0.21363
645946.01	4200731.54	18.83130	645933.67	4200896.54	42.02489
645889.89	4200889.80	43.12765	645847.24	4200866.23	45.18141
645697.97	4200718.07	60.21099	645704.70	4200712.46	60.03440

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37563	646506.52	4202111.83	0.34960
645939.20	4200707.16	19.48672	644341.01	4199280.37	0.21467
644441.01	4199280.37	0.22768	644541.01	4199280.37	0.24249
644641.01	4199280.37	0.25947	644741.01	4199280.37	0.27886
644841.01	4199280.37	0.30066	644941.01	4199280.37	0.32447
645041.01	4199280.37	0.34948	645141.01	4199280.37	0.37443
645241.01	4199280.37	0.39764	645341.01	4199280.37	0.41748
645441.01	4199280.37	0.43309	645541.01	4199280.37	0.44509
645641.01	4199280.37	0.45550	645741.01	4199280.37	0.46671
645841.01	4199280.37	0.48023	645941.01	4199280.37	0.49589
646041.01	4199280.37	0.51227	646141.01	4199280.37	0.52771
646241.01	4199280.37	0.54087	646341.01	4199280.37	0.55074
646441.01	4199280.37	0.55671	646541.01	4199280.37	0.55857
646641.01	4199280.37	0.55656	646741.01	4199280.37	0.55115
646841.01	4199280.37	0.54307	646941.01	4199280.37	0.53216
647041.01	4199280.37	0.51984	647141.01	4199280.37	0.50594
647241.01	4199280.37	0.49128	647341.01	4199280.37	0.47585
644341.01	4199380.37	0.22696	644441.01	4199380.37	0.24092
644541.01	4199380.37	0.25675	644641.01	4199380.37	0.27497

644741.01	4199380.37	0.29601	644841.01	4199380.37	0.32011
644941.01	4199380.37	0.34711	645041.01	4199380.37	0.37625
645141.01	4199380.37	0.40613	645241.01	4199380.37	0.43476
645341.01	4199380.37	0.45988	645441.01	4199380.37	0.48001
645541.01	4199380.37	0.49556	645641.01	4199380.37	0.50894
645741.01	4199380.37	0.52323	645841.01	4199380.37	0.54020
645941.01	4199380.37	0.55933	646041.01	4199380.37	0.57859
646141.01	4199380.37	0.59591	646241.01	4199380.37	0.60986
646341.01	4199380.37	0.61956	646441.01	4199380.37	0.62455
646541.01	4199380.37	0.62477	646641.01	4199380.37	0.62050
646741.01	4199380.37	0.61223	646841.01	4199380.37	0.60055
646941.01	4199380.37	0.58615	647041.01	4199380.37	0.57004
647141.01	4199380.37	0.55223	647241.01	4199380.37	0.53353
647341.01	4199380.37	0.51412	644341.01	4199480.37	0.24055
644441.01	4199480.37	0.25574	644541.01	4199480.37	0.27284
644641.01	4199480.37	0.29245	644741.01	4199480.37	0.31523
644841.01	4199480.37	0.34174	644941.01	4199480.37	0.37217
645041.01	4199480.37	0.40599	645141.01	4199480.37	0.44178
645241.01	4199480.37	0.47717	645341.01	4199480.37	0.50917
645441.01	4199480.37	0.53537	645541.01	4199480.37	0.55574
645641.01	4199480.37	0.57314	645741.01	4199480.37	0.59159

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.61322	645941.01	4199480.37	0.63687
646041.01	4199480.37	0.65962	646141.01	4199480.37	0.67891
646241.01	4199480.37	0.69337	646341.01	4199480.37	0.70242
646441.01	4199480.37	0.70586	646541.01	4199480.37	0.70366
646641.01	4199480.37	0.69608	646741.01	4199480.37	0.68367
646841.01	4199480.37	0.66756	646941.01	4199480.37	0.64772
647041.01	4199480.37	0.62658	647141.01	4199480.37	0.60361
647241.01	4199480.37	0.57974	647341.01	4199480.37	0.55530
644341.01	4199580.37	0.25549	644441.01	4199580.37	0.27227
644541.01	4199580.37	0.29101	644641.01	4199580.37	0.31233
644741.01	4199580.37	0.33706	644841.01	4199580.37	0.36613
644941.01	4199580.37	0.40020	645041.01	4199580.37	0.43925
645141.01	4199580.37	0.48203	645241.01	4199580.37	0.52588
645341.01	4199580.37	0.56691	645441.01	4199580.37	0.60138
645541.01	4199580.37	0.62840	645641.01	4199580.37	0.65134
645741.01	4199580.37	0.67552	645841.01	4199580.37	0.70353
645941.01	4199580.37	0.73316	646041.01	4199580.37	0.76012
646141.01	4199580.37	0.78133	646241.01	4199580.37	0.79577
646341.01	4199580.37	0.80347	646441.01	4199580.37	0.80443

646541.01	4199580.37	0.79851	646641.01	4199580.37	0.78591
646741.01	4199580.37	0.76739	646841.01	4199580.37	0.74469
646941.01	4199580.37	0.71771	647041.01	4199580.37	0.68974
647141.01	4199580.37	0.66006	647241.01	4199580.37	0.62965
647341.01	4199580.37	0.59893	644341.01	4199680.37	0.27175
644441.01	4199680.37	0.29056	644541.01	4199680.37	0.31145
644641.01	4199680.37	0.33500	644741.01	4199680.37	0.36212
644841.01	4199680.37	0.39403	644941.01	4199680.37	0.43200
645041.01	4199680.37	0.47678	645141.01	4199680.37	0.52774
645241.01	4199680.37	0.58216	645341.01	4199680.37	0.63514
645441.01	4199680.37	0.68107	645541.01	4199680.37	0.71748
645641.01	4199680.37	0.74818	645741.01	4199680.37	0.78044
645841.01	4199680.37	0.81736	645941.01	4199680.37	0.85497
646041.01	4199680.37	0.88695	646141.01	4199680.37	0.90973
646241.01	4199680.37	0.92325	646341.01	4199680.37	0.92842
646441.01	4199680.37	0.92528	646541.01	4199680.37	0.91339
646641.01	4199680.37	0.89301	646741.01	4199680.37	0.86543
646841.01	4199680.37	0.83330	646941.01	4199680.37	0.79680
647041.01	4199680.37	0.75974	647141.01	4199680.37	0.72131
647241.01	4199680.37	0.68264	647341.01	4199680.37	0.64424
644341.01	4199780.37	0.28920	644441.01	4199780.37	0.31054

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.33421	644641.01	4199780.37	0.36075
644741.01	4199780.37	0.39102	644841.01	4199780.37	0.42639
644941.01	4199780.37	0.46869	645041.01	4199780.37	0.51972
645141.01	4199780.37	0.58007	645241.01	4199780.37	0.64760
645341.01	4199780.37	0.71654	645441.01	4199780.37	0.77865
645541.01	4199780.37	0.82866	645641.01	4199780.37	0.87055
645741.01	4199780.37	0.91442	645841.01	4199780.37	0.96406
645941.01	4199780.37	1.01244	646041.01	4199780.37	1.05023
646141.01	4199780.37	1.07374	646241.01	4199780.37	1.08470
646341.01	4199780.37	1.08518	646441.01	4199780.37	1.07495
646541.01	4199780.37	1.05321	646641.01	4199780.37	1.02069
646741.01	4199780.37	0.97990	646841.01	4199780.37	0.93387
646941.01	4199780.37	0.88545	647041.01	4199780.37	0.83639
647141.01	4199780.37	0.78678	647241.01	4199780.37	0.73786
647341.01	4199780.37	0.69033	644341.01	4199880.37	0.30769
644441.01	4199880.37	0.33204	644541.01	4199880.37	0.35920
644641.01	4199880.37	0.38967	644741.01	4199880.37	0.42423
644841.01	4199880.37	0.46422	644941.01	4199880.37	0.51177
645041.01	4199880.37	0.56979	645141.01	4199880.37	0.64075

645241.01	4199880.37	0.72433	645341.01	4199880.37	0.81465
645441.01	4199880.37	0.90014	645541.01	4199880.37	0.97055
645641.01	4199880.37	1.02912	645741.01	4199880.37	1.09021
645841.01	4199880.37	1.15838	645941.01	4199880.37	1.22137
646041.01	4199880.37	1.26548	646141.01	4199880.37	1.28775
646241.01	4199880.37	1.29295	646341.01	4199880.37	1.28451
646441.01	4199880.37	1.26169	646541.01	4199880.37	1.22360
646641.01	4199880.37	1.17286	646741.01	4199880.37	1.11286
646841.01	4199880.37	1.04844	646941.01	4199880.37	0.98379
647041.01	4199880.37	0.91880	647141.01	4199880.37	0.85524
647241.01	4199880.37	0.79403	647341.01	4199880.37	0.73602
644341.01	4199980.37	0.32692	644441.01	4199980.37	0.35478
644541.01	4199980.37	0.38614	644641.01	4199980.37	0.42159
644741.01	4199980.37	0.46190	644841.01	4199980.37	0.50831
644941.01	4199980.37	0.56297	645041.01	4199980.37	0.62945
645141.01	4199980.37	0.71251	645241.01	4199980.37	0.81535
645341.01	4199980.37	0.93424	645441.01	4199980.37	1.05427
645541.01	4199980.37	1.15666	645641.01	4199980.37	1.24136
645741.01	4199980.37	1.32951	645841.01	4199980.37	1.42477
645941.01	4199980.37	1.50742	646041.01	4199980.37	1.55728
646141.01	4199980.37	1.57377	646241.01	4199980.37	1.56642

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.54061	646441.01	4199980.37	1.49540
646541.01	4199980.37	1.43069	646641.01	4199980.37	1.35137
646741.01	4199980.37	1.26513	646841.01	4199980.37	1.17740
646941.01	4199980.37	1.09018	647041.01	4199980.37	1.00563
647141.01	4199980.37	0.92506	647241.01	4199980.37	0.84954
647341.01	4199980.37	0.77979	644341.01	4200080.37	0.34644
644441.01	4200080.37	0.37827	644541.01	4200080.37	0.41453
644641.01	4200080.37	0.45600	644741.01	4200080.37	0.50368
644841.01	4200080.37	0.55889	644941.01	4200080.37	0.62370
645041.01	4200080.37	0.70181	645141.01	4200080.37	0.79964
645241.01	4200080.37	0.92541	645341.01	4200080.37	1.08196
645441.01	4200080.37	1.25409	645541.01	4200080.37	1.40933
645641.01	4200080.37	1.53738	645741.01	4200080.37	1.66923
645841.01	4200080.37	1.80826	645941.01	4200080.37	1.91736
646041.01	4200080.37	1.96942	646141.01	4200080.37	1.96604
646241.01	4200080.37	1.93104	646341.01	4200080.37	1.87139
646441.01	4200080.37	1.78698	646541.01	4200080.37	1.68214
646641.01	4200080.37	1.56235	646741.01	4200080.37	1.43935
646841.01	4200080.37	1.31874	646941.01	4200080.37	1.20311

647041.01	4200080.37	1.09425	647141.01	4200080.37	0.99371
647241.01	4200080.37	0.90220	647341.01	4200080.37	0.82005
644341.01	4200180.37	0.36569	644441.01	4200180.37	0.40182
644541.01	4200180.37	0.44355	644641.01	4200180.37	0.49202
644741.01	4200180.37	0.54865	644841.01	4200180.37	0.61525
644941.01	4200180.37	0.69430	645041.01	4200180.37	0.78961
645141.01	4200180.37	0.90816	645241.01	4200180.37	1.06265
645341.01	4200180.37	1.26810	645441.01	4200180.37	1.51967
645541.01	4200180.37	1.76786	645641.01	4200180.37	1.97525
645741.01	4200180.37	2.18418	645841.01	4200180.37	2.38965
645941.01	4200180.37	2.52633	646041.01	4200180.37	2.56291
646141.01	4200180.37	2.51595	646241.01	4200180.37	2.42096
646341.01	4200180.37	2.29716	646441.01	4200180.37	2.15216
646541.01	4200180.37	1.98290	646641.01	4200180.37	1.80667
646741.01	4200180.37	1.63435	646841.01	4200180.37	1.47079
646941.01	4200180.37	1.31879	647041.01	4200180.37	1.18061
647141.01	4200180.37	1.05752	647241.01	4200180.37	0.94926
647341.01	4200180.37	0.85497	644341.01	4200280.37	0.38430
644441.01	4200280.37	0.42477	644541.01	4200280.37	0.47223
644641.01	4200280.37	0.52832	644741.01	4200280.37	0.59517
644841.01	4200280.37	0.67556	644941.01	4200280.37	0.77322

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.89330	645141.01	4200280.37	1.04385
645241.01	4200280.37	1.24007	645341.01	4200280.37	1.51088
645441.01	4200280.37	1.88379	645541.01	4200280.37	2.30747
645641.01	4200280.37	2.67900	645741.01	4200280.37	3.04301
645841.01	4200280.37	3.34565	645941.01	4200280.37	3.48574
646041.01	4200280.37	3.44682	646141.01	4200280.37	3.28505
646241.01	4200280.37	3.06945	646341.01	4200280.37	2.84917
646441.01	4200280.37	2.60540	646541.01	4200280.37	2.34616
646641.01	4200280.37	2.09004	646741.01	4200280.37	1.84872
646841.01	4200280.37	1.62750	646941.01	4200280.37	1.43027
647041.01	4200280.37	1.25894	647141.01	4200280.37	1.11254
647241.01	4200280.37	0.98844	647341.01	4200280.37	0.88334
644341.01	4200380.37	0.40288	644441.01	4200380.37	0.44742
644541.01	4200380.37	0.50045	644641.01	4200380.37	0.56417
644741.01	4200380.37	0.64168	644841.01	4200380.37	0.73728
644941.01	4200380.37	0.85698	645041.01	4200380.37	1.00944
645141.01	4200380.37	1.20741	645241.01	4200380.37	1.47203
645341.01	4200380.37	1.84457	645441.01	4200380.37	2.41161
645541.01	4200380.37	3.19129	645641.01	4200380.37	3.97168

645741.01	4200380.37	4.68612	645841.01	4200380.37	5.08525
645941.01	4200380.37	5.06159	646041.01	4200380.37	4.75557
646141.01	4200380.37	4.34434	646241.01	4200380.37	3.94049
646341.01	4200380.37	3.57229	646441.01	4200380.37	3.18653
646541.01	4200380.37	2.79185	646641.01	4200380.37	2.41430
646741.01	4200380.37	2.07229	646841.01	4200380.37	1.77587
646941.01	4200380.37	1.52742	647041.01	4200380.37	1.32309
647141.01	4200380.37	1.15580	647241.01	4200380.37	1.01833
647341.01	4200380.37	0.90453	644341.01	4200480.37	0.42313
644441.01	4200480.37	0.47164	644541.01	4200480.37	0.53021
644641.01	4200480.37	0.60134	644741.01	4200480.37	0.68935
644841.01	4200480.37	0.80026	644941.01	4200480.37	0.94321
645041.01	4200480.37	1.13258	645141.01	4200480.37	1.39157
645241.01	4200480.37	1.76050	645341.01	4200480.37	2.31581
645441.01	4200480.37	3.21803	645541.01	4200480.37	4.86864
645641.01	4200480.37	7.06895	645741.01	4200480.37	8.75596
645841.01	4200480.37	8.65489	645941.01	4200480.37	7.71445
646041.01	4200480.37	6.68473	646141.01	4200480.37	5.83177
646241.01	4200480.37	5.16645	646341.01	4200480.37	4.59500
646441.01	4200480.37	3.97599	646541.01	4200480.37	3.33913
646641.01	4200480.37	2.75975	646741.01	4200480.37	2.27779

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.89683	646941.01	4200480.37	1.60029
647041.01	4200480.37	1.36867	647141.01	4200480.37	1.18524
647241.01	4200480.37	1.03787	647341.01	4200480.37	0.91770
644341.01	4200580.37	0.44592	644441.01	4200580.37	0.49878
644541.01	4200580.37	0.56272	644641.01	4200580.37	0.64138
644741.01	4200580.37	0.73999	644841.01	4200580.37	0.86641
644941.01	4200580.37	1.03305	645041.01	4200580.37	1.26055
645141.01	4200580.37	1.58573	645241.01	4200580.37	2.07848
645341.01	4200580.37	2.90579	645441.01	4200580.37	4.50521
645541.01	4200580.37	8.88680	645641.01	4200580.37	22.49042
645741.01	4200580.37	22.44862	645841.01	4200580.37	15.98864
645941.01	4200580.37	11.86522	646041.01	4200580.37	9.34657
646141.01	4200580.37	8.00188	646241.01	4200580.37	7.17312
646341.01	4200580.37	6.30285	646441.01	4200580.37	5.10151
646541.01	4200580.37	3.94496	646641.01	4200580.37	3.05737
646741.01	4200580.37	2.42478	646841.01	4200580.37	1.97303
646941.01	4200580.37	1.64189	647041.01	4200580.37	1.39204
647141.01	4200580.37	1.19851	647241.01	4200580.37	1.04521
647341.01	4200580.37	0.92145	644341.01	4200680.37	0.46942

644441.01	4200680.37	0.52660	644541.01	4200680.37	0.59631
644641.01	4200680.37	0.68270	644741.01	4200680.37	0.79211
644841.01	4200680.37	0.93392	644941.01	4200680.37	1.12368
645041.01	4200680.37	1.38820	645141.01	4200680.37	1.77771
645241.01	4200680.37	2.39817	645341.01	4200680.37	3.49828
645441.01	4200680.37	6.04646	645541.01	4200680.37	16.24134
645641.01	4200680.37	77.04420	645741.01	4200680.37	75.61761
645841.01	4200680.37	31.65135	645941.01	4200680.37	17.69366
646041.01	4200680.37	13.00987	646141.01	4200680.37	12.19756
646241.01	4200680.37	12.23041	646341.01	4200680.37	9.88015
646441.01	4200680.37	6.45139	646541.01	4200680.37	4.38387
646641.01	4200680.37	3.20977	646741.01	4200680.37	2.48083
646841.01	4200680.37	1.99255	646941.01	4200680.37	1.64609
647041.01	4200680.37	1.38945	647141.01	4200680.37	1.19292
647241.01	4200680.37	1.03841	647341.01	4200680.37	0.91430
644341.01	4200780.37	0.48959	644441.01	4200780.37	0.55052
644541.01	4200780.37	0.62496	644641.01	4200780.37	0.71745
644741.01	4200780.37	0.83486	644841.01	4200780.37	0.98773
644941.01	4200780.37	1.19322	645041.01	4200780.37	1.48119
645141.01	4200780.37	1.90599	645241.01	4200780.37	2.58127
645341.01	4200780.37	3.76161	645441.01	4200780.37	6.21040

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	12.28091	645641.01	4200780.37	30.03303
645741.01	4200780.37	73.14022	646041.01	4200780.37	20.17034
646141.01	4200780.37	30.42509	646241.01	4200780.37	52.04447
646341.01	4200780.37	14.78930	646441.01	4200780.37	6.87795
646541.01	4200780.37	4.38011	646641.01	4200780.37	3.15154
646741.01	4200780.37	2.42336	646841.01	4200780.37	1.94317
646941.01	4200780.37	1.60503	647041.01	4200780.37	1.35542
647141.01	4200780.37	1.16455	647241.01	4200780.37	1.01455
647341.01	4200780.37	0.89405	644341.01	4200880.37	0.50290
644441.01	4200880.37	0.56577	644541.01	4200880.37	0.64245
644641.01	4200880.37	0.73782	644741.01	4200880.37	0.85842
644841.01	4200880.37	1.01480	644941.01	4200880.37	1.22347
645041.01	4200880.37	1.51199	645141.01	4200880.37	1.92963
645241.01	4200880.37	2.56753	645341.01	4200880.37	3.60983
645441.01	4200880.37	5.39637	645541.01	4200880.37	8.34682
645641.01	4200880.37	13.36571	645741.01	4200880.37	27.87663
645841.01	4200880.37	63.71711	645941.01	4200880.37	37.58244
646041.01	4200880.37	74.11875	646141.01	4200880.37	39.02440
646241.01	4200880.37	17.08577	646341.01	4200880.37	8.83375

646441.01	4200880.37	5.46709	646541.01	4200880.37	3.79156
646641.01	4200880.37	2.83143	646741.01	4200880.37	2.22351
646841.01	4200880.37	1.80785	646941.01	4200880.37	1.50771
647041.01	4200880.37	1.28250	647141.01	4200880.37	1.10819
647241.01	4200880.37	0.96990	647341.01	4200880.37	0.85796
644341.01	4200980.37	0.50788	644441.01	4200980.37	0.57077
644541.01	4200980.37	0.64711	644641.01	4200980.37	0.74136
644741.01	4200980.37	0.86002	644841.01	4200980.37	1.01198
644941.01	4200980.37	1.21162	645041.01	4200980.37	1.48153
645141.01	4200980.37	1.85871	645241.01	4200980.37	2.40400
645341.01	4200980.37	3.20077	645441.01	4200980.37	4.33441
645541.01	4200980.37	5.86852	645641.01	4200980.37	8.00984
645741.01	4200980.37	11.67935	645841.01	4200980.37	19.44167
645941.01	4200980.37	25.69202	646041.01	4200980.37	17.26145
646141.01	4200980.37	10.91645	646241.01	4200980.37	7.23719
646341.01	4200980.37	5.07173	646441.01	4200980.37	3.74225
646541.01	4200980.37	2.89213	646641.01	4200980.37	2.31111
646741.01	4200980.37	1.89532	646841.01	4200980.37	1.58706
646941.01	4200980.37	1.35196	647041.01	4200980.37	1.16804
647141.01	4200980.37	1.02141	647241.01	4200980.37	0.90241
647341.01	4200980.37	0.80436	644341.01	4201080.37	0.50546

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.56657	644541.01	4201080.37	0.64041
644641.01	4201080.37	0.73068	644741.01	4201080.37	0.84287
644841.01	4201080.37	0.98443	644941.01	4201080.37	1.16676
645041.01	4201080.37	1.40669	645141.01	4201080.37	1.72703
645241.01	4201080.37	2.15465	645341.01	4201080.37	2.71085
645441.01	4201080.37	3.39599	645541.01	4201080.37	4.20128
645641.01	4201080.37	5.16158	645741.01	4201080.37	6.25882
645841.01	4201080.37	7.37195	645941.01	4201080.37	7.30955
646041.01	4201080.37	6.10787	646141.01	4201080.37	4.94832
646241.01	4201080.37	3.94305	646341.01	4201080.37	3.16558
646441.01	4201080.37	2.57249	646541.01	4201080.37	2.13027
646641.01	4201080.37	1.79507	646741.01	4201080.37	1.53526
646841.01	4201080.37	1.32905	646941.01	4201080.37	1.16191
647041.01	4201080.37	1.02495	647141.01	4201080.37	0.91129
647241.01	4201080.37	0.81605	647341.01	4201080.37	0.73547
644341.01	4201180.37	0.49745	644441.01	4201180.37	0.55563
644541.01	4201180.37	0.62536	644641.01	4201180.37	0.70971
644741.01	4201180.37	0.81296	644841.01	4201180.37	0.94119
644941.01	4201180.37	1.10247	645041.01	4201180.37	1.30664

645141.01	4201180.37	1.56391	645241.01	4201180.37	1.87899
645341.01	4201180.37	2.24741	645441.01	4201180.37	2.65198
645541.01	4201180.37	3.07577	645641.01	4201180.37	3.50917
645741.01	4201180.37	3.89098	645841.01	4201180.37	4.03176
645941.01	4201180.37	3.85120	646041.01	4201180.37	3.42730
646141.01	4201180.37	2.93866	646241.01	4201180.37	2.50635
646341.01	4201180.37	2.14018	646441.01	4201180.37	1.83527
646541.01	4201180.37	1.58817	646641.01	4201180.37	1.38813
646741.01	4201180.37	1.22446	646841.01	4201180.37	1.08873
646941.01	4201180.37	0.97435	647041.01	4201180.37	0.87694
647141.01	4201180.37	0.79327	647241.01	4201180.37	0.72094
647341.01	4201180.37	0.65803	644341.01	4201280.37	0.48560
644441.01	4201280.37	0.54018	644541.01	4201280.37	0.60497
644641.01	4201280.37	0.68250	644741.01	4201280.37	0.77601
644841.01	4201280.37	0.88976	644941.01	4201280.37	1.02824
645041.01	4201280.37	1.19518	645141.01	4201280.37	1.39156
645241.01	4201280.37	1.61398	645341.01	4201280.37	1.85107
645441.01	4201280.37	2.08810	645541.01	4201280.37	2.31117
645641.01	4201280.37	2.50174	645741.01	4201280.37	2.61733
645841.01	4201280.37	2.60742	645941.01	4201280.37	2.46432
646041.01	4201280.37	2.23554	646141.01	4201280.37	2.00534

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.77688	646341.01	4201280.37	1.56796
646441.01	4201280.37	1.38383	646541.01	4201280.37	1.22803
646641.01	4201280.37	1.09713	646741.01	4201280.37	0.98705
646841.01	4201280.37	0.89358	646941.01	4201280.37	0.81330
647041.01	4201280.37	0.74352	647141.01	4201280.37	0.68236
647241.01	4201280.37	0.62836	647341.01	4201280.37	0.58040
644341.01	4201380.37	0.47127	644441.01	4201380.37	0.52202
644541.01	4201380.37	0.58155	644641.01	4201380.37	0.65195
644741.01	4201380.37	0.73525	644841.01	4201380.37	0.83368
644941.01	4201380.37	0.94863	645041.01	4201380.37	1.07988
645141.01	4201380.37	1.22466	645241.01	4201380.37	1.37706
645341.01	4201380.37	1.52770	645441.01	4201380.37	1.66464
645541.01	4201380.37	1.77681	645641.01	4201380.37	1.85113
645741.01	4201380.37	1.87196	645841.01	4201380.37	1.83116
645941.01	4201380.37	1.73615	646041.01	4201380.37	1.61145
646141.01	4201380.37	1.47352	646241.01	4201380.37	1.34406
646341.01	4201380.37	1.21405	646441.01	4201380.37	1.09296
646541.01	4201380.37	0.98597	646641.01	4201380.37	0.89339
646741.01	4201380.37	0.81375	646841.01	4201380.37	0.74512

646941.01	4201380.37	0.68557	647041.01	4201380.37	0.63344
647141.01	4201380.37	0.58738	647241.01	4201380.37	0.54633
647341.01	4201380.37	0.50947	644341.01	4201480.37	0.45537
644441.01	4201480.37	0.50218	644541.01	4201480.37	0.55635
644641.01	4201480.37	0.61924	644741.01	4201480.37	0.69192
644841.01	4201480.37	0.77469	644941.01	4201480.37	0.86711
645041.01	4201480.37	0.96727	645141.01	4201480.37	1.07155
645241.01	4201480.37	1.17444	645341.01	4201480.37	1.26756
645441.01	4201480.37	1.34276	645541.01	4201480.37	1.39324
645641.01	4201480.37	1.41469	645741.01	4201480.37	1.40511
645841.01	4201480.37	1.36619	645941.01	4201480.37	1.30333
646041.01	4201480.37	1.22658	646141.01	4201480.37	1.14181
646241.01	4201480.37	1.05974	646341.01	4201480.37	0.97444
646441.01	4201480.37	0.89172	646541.01	4201480.37	0.81546
646641.01	4201480.37	0.74730	646741.01	4201480.37	0.68706
646841.01	4201480.37	0.63403	646941.01	4201480.37	0.58749
647041.01	4201480.37	0.54648	647141.01	4201480.37	0.51012
647241.01	4201480.37	0.47764	647341.01	4201480.37	0.44842
644341.01	4201580.37	0.43849	644441.01	4201580.37	0.48124
644541.01	4201580.37	0.52991	644641.01	4201580.37	0.58511
644741.01	4201580.37	0.64693	644841.01	4201580.37	0.71473

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.78720	645041.01	4201580.37	0.86205
645141.01	4201580.37	0.93576	645241.01	4201580.37	1.00296
645341.01	4201580.37	1.05784	645441.01	4201580.37	1.09553
645541.01	4201580.37	1.11374	645641.01	4201580.37	1.11301
645741.01	4201580.37	1.09560	645841.01	4201580.37	1.06460
645941.01	4201580.37	1.02225	646041.01	4201580.37	0.97209
646141.01	4201580.37	0.91662	646241.01	4201580.37	0.86003
646341.01	4201580.37	0.80289	646441.01	4201580.37	0.74445
646541.01	4201580.37	0.68874	646641.01	4201580.37	0.63756
646741.01	4201580.37	0.59099	646841.01	4201580.37	0.54907
646941.01	4201580.37	0.51160	647041.01	4201580.37	0.47823
647141.01	4201580.37	0.44841	647241.01	4201580.37	0.42167
647341.01	4201580.37	0.39759	644341.01	4201680.37	0.42096
644441.01	4201680.37	0.45953	644541.01	4201680.37	0.50254
644641.01	4201680.37	0.55006	644741.01	4201680.37	0.60144
644841.01	4201680.37	0.65576	644941.01	4201680.37	0.71155
645041.01	4201680.37	0.76622	645141.01	4201680.37	0.81657
645241.01	4201680.37	0.85864	645341.01	4201680.37	0.88858
645441.01	4201680.37	0.90438	645541.01	4201680.37	0.90676

645641.01	4201680.37	0.89851	645741.01	4201680.37	0.88111
645841.01	4201680.37	0.85748	645941.01	4201680.37	0.82781
646041.01	4201680.37	0.79406	646141.01	4201680.37	0.75570
646241.01	4201680.37	0.71588	646341.01	4201680.37	0.67405
646441.01	4201680.37	0.63240	646541.01	4201680.37	0.59084
646641.01	4201680.37	0.55169	646741.01	4201680.37	0.51542
646841.01	4201680.37	0.48203	646941.01	4201680.37	0.45154
647041.01	4201680.37	0.42345	647141.01	4201680.37	0.39887
647241.01	4201680.37	0.37631	647341.01	4201680.37	0.35591
644341.01	4201780.37	0.40303	644441.01	4201780.37	0.43728
644541.01	4201780.37	0.47467	644641.01	4201780.37	0.51466
644741.01	4201780.37	0.55661	644841.01	4201780.37	0.59927
644941.01	4201780.37	0.64108	645041.01	4201780.37	0.67992
645141.01	4201780.37	0.71299	645241.01	4201780.37	0.73757
645341.01	4201780.37	0.75184	645441.01	4201780.37	0.75595
645541.01	4201780.37	0.75154	645641.01	4201780.37	0.74110
645741.01	4201780.37	0.72634	645841.01	4201780.37	0.70770
645941.01	4201780.37	0.68646	646041.01	4201780.37	0.66268
646141.01	4201780.37	0.63612	646241.01	4201780.37	0.60707
646341.01	4201780.37	0.57614	646441.01	4201780.37	0.54429
646541.01	4201780.37	0.51267	646641.01	4201780.37	0.48229

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.45367	646841.01	4201780.37	0.42707
646941.01	4201780.37	0.40213	647041.01	4201780.37	0.37922
647141.01	4201780.37	0.35821	647241.01	4201780.37	0.33895
647341.01	4201780.37	0.32157	644341.01	4201880.37	0.38471
644441.01	4201880.37	0.41473	644541.01	4201880.37	0.44654
644641.01	4201880.37	0.47964	644741.01	4201880.37	0.51313
644841.01	4201880.37	0.54585	644941.01	4201880.37	0.57637
645041.01	4201880.37	0.60284	645141.01	4201880.37	0.62340
645241.01	4201880.37	0.63651	645341.01	4201880.37	0.64171
645441.01	4201880.37	0.64014	645541.01	4201880.37	0.63250
645641.01	4201880.37	0.62237	645741.01	4201880.37	0.61020
645841.01	4201880.37	0.59652	645941.01	4201880.37	0.58127
646041.01	4201880.37	0.56430	646141.01	4201880.37	0.54506
646241.01	4201880.37	0.52320	646341.01	4201880.37	0.49945
646441.01	4201880.37	0.47516	646541.01	4201880.37	0.45060
646641.01	4201880.37	0.42621	646741.01	4201880.37	0.40329
646841.01	4201880.37	0.38157	646941.01	4201880.37	0.36124
647041.01	4201880.37	0.34218	647141.01	4201880.37	0.32441
647241.01	4201880.37	0.30791	647341.01	4201880.37	0.29268

644341.01	4201980.37	0.36619	644441.01	4201980.37	0.39199
644541.01	4201980.37	0.41861	644641.01	4201980.37	0.44538
644741.01	4201980.37	0.47146	644841.01	4201980.37	0.49587
644941.01	4201980.37	0.51741	645041.01	4201980.37	0.53480
645141.01	4201980.37	0.54676	645241.01	4201980.37	0.55218
645341.01	4201980.37	0.55238	645441.01	4201980.37	0.54803
645541.01	4201980.37	0.54067	645641.01	4201980.37	0.53201
645741.01	4201980.37	0.52223	645841.01	4201980.37	0.51182
645941.01	4201980.37	0.50049	646041.01	4201980.37	0.48775
646141.01	4201980.37	0.47297	646241.01	4201980.37	0.45615
646341.01	4201980.37	0.43786	646441.01	4201980.37	0.41868
646541.01	4201980.37	0.39923	646641.01	4201980.37	0.37996
646741.01	4201980.37	0.36131	646841.01	4201980.37	0.34355
646941.01	4201980.37	0.32673	647041.01	4201980.37	0.31083
647141.01	4201980.37	0.29582	647241.01	4201980.37	0.28162
647341.01	4201980.37	0.26842	644341.01	4202080.37	0.34749
644441.01	4202080.37	0.36924	644541.01	4202080.37	0.39098
644641.01	4202080.37	0.41218	644741.01	4202080.37	0.43205
644841.01	4202080.37	0.44983	644941.01	4202080.37	0.46458
645041.01	4202080.37	0.47492	645141.01	4202080.37	0.48115
645241.01	4202080.37	0.48278	645341.01	4202080.37	0.48039

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2
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INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 ,
L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 ,
L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 ,
L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.47543	645541.01	4202080.37	0.46832
645641.01	4202080.37	0.46057	645741.01	4202080.37	0.45270
645841.01	4202080.37	0.44471	645941.01	4202080.37	0.43614
646041.01	4202080.37	0.42648	646141.01	4202080.37	0.41508
646241.01	4202080.37	0.40197	646341.01	4202080.37	0.38747
646441.01	4202080.37	0.37212	646541.01	4202080.37	0.35645
646641.01	4202080.37	0.34086	646741.01	4202080.37	0.32560
646841.01	4202080.37	0.31090	646941.01	4202080.37	0.29685
647041.01	4202080.37	0.28348	647141.01	4202080.37	0.27080
647241.01	4202080.37	0.25876	647341.01	4202080.37	0.24736
644341.01	4202180.37	0.32865	644441.01	4202180.37	0.34661
644541.01	4202180.37	0.36409	644641.01	4202180.37	0.38055
644741.01	4202180.37	0.39502	644841.01	4202180.37	0.40753
644941.01	4202180.37	0.41714	645041.01	4202180.37	0.42339
645141.01	4202180.37	0.42601	645241.01	4202180.37	0.42548
645341.01	4202180.37	0.42175	645441.01	4202180.37	0.41627
645541.01	4202180.37	0.40970	645641.01	4202180.37	0.40324
645741.01	4202180.37	0.39705	645841.01	4202180.37	0.39084
645941.01	4202180.37	0.38425	646041.01	4202180.37	0.37676

646141.01	4202180.37	0.36788	646241.01	4202180.37	0.35746
646341.01	4202180.37	0.34586	646441.01	4202180.37	0.33341
646541.01	4202180.37	0.32059	646641.01	4202180.37	0.30770
646741.01	4202180.37	0.29506	646841.01	4202180.37	0.28276
646941.01	4202180.37	0.27096	647041.01	4202180.37	0.25966
647141.01	4202180.37	0.24886	647241.01	4202180.37	0.23857
647341.01	4202180.37	0.22874	644341.01	4202280.37	0.30993
644441.01	4202280.37	0.32429	644541.01	4202280.37	0.33799
644641.01	4202280.37	0.35042	644741.01	4202280.37	0.36121
644841.01	4202280.37	0.36981	644941.01	4202280.37	0.37575
645041.01	4202280.37	0.37879	645141.01	4202280.37	0.37912
645241.01	4202280.37	0.37693	645341.01	4202280.37	0.37278
645441.01	4202280.37	0.36747	645541.01	4202280.37	0.36188
645641.01	4202280.37	0.35659	645741.01	4202280.37	0.35153
645841.01	4202280.37	0.34665	645941.01	4202280.37	0.34154
646041.01	4202280.37	0.33577	646141.01	4202280.37	0.32882
646241.01	4202280.37	0.32050	646341.01	4202280.37	0.31097
646441.01	4202280.37	0.30071	646541.01	4202280.37	0.29015
646641.01	4202280.37	0.27948	646741.01	4202280.37	0.26886
646841.01	4202280.37	0.25849	646941.01	4202280.37	0.24847
647041.01	4202280.37	0.23880	647141.01	4202280.37	0.22953

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.22066	647341.01	4202280.37	0.21217
645946.01	4200731.54	20.06052	645933.67	4200896.54	46.31161
645889.89	4200889.80	47.71732	645847.24	4200866.23	51.36708
645697.97	4200718.07	70.05862	645704.70	4200712.46	70.35805

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.36185	646506.52	4202111.83	0.33649
645939.20	4200707.16	75.65442	644341.01	4199280.37	0.21510
644441.01	4199280.37	0.22783	644541.01	4199280.37	0.24226
644641.01	4199280.37	0.25879	644741.01	4199280.37	0.27777
644841.01	4199280.37	0.29938	644941.01	4199280.37	0.32344
645041.01	4199280.37	0.34935	645141.01	4199280.37	0.37600
645241.01	4199280.37	0.40179	645341.01	4199280.37	0.42473
645441.01	4199280.37	0.44285	645541.01	4199280.37	0.45516
645641.01	4199280.37	0.46273	645741.01	4199280.37	0.46874
645841.01	4199280.37	0.47729	645941.01	4199280.37	0.49137
646041.01	4199280.37	0.51097	646141.01	4199280.37	0.53287
646241.01	4199280.37	0.55273	646341.01	4199280.37	0.56732
646441.01	4199280.37	0.57519	646541.01	4199280.37	0.57629
646641.01	4199280.37	0.57166	646741.01	4199280.37	0.56309
646841.01	4199280.37	0.55254	646941.01	4199280.37	0.54029
647041.01	4199280.37	0.52765	647141.01	4199280.37	0.51376
647241.01	4199280.37	0.49901	647341.01	4199280.37	0.48314
644341.01	4199380.37	0.22735	644441.01	4199380.37	0.24104
644541.01	4199380.37	0.25646	644641.01	4199380.37	0.27409
644741.01	4199380.37	0.29448	644841.01	4199380.37	0.31804
644941.01	4199380.37	0.34490	645041.01	4199380.37	0.37465
645141.01	4199380.37	0.40621	645241.01	4199380.37	0.43775
645341.01	4199380.37	0.46682	645441.01	4199380.37	0.49068
645541.01	4199380.37	0.50747	645641.01	4199380.37	0.51787
645741.01	4199380.37	0.52561	645841.01	4199380.37	0.53608
645941.01	4199380.37	0.55331	646041.01	4199380.37	0.57712

646141.01	4199380.37	0.60304	646241.01	4199380.37	0.62542
646341.01	4199380.37	0.64050	646441.01	4199380.37	0.64693
646541.01	4199380.37	0.64519	646641.01	4199380.37	0.63718
646741.01	4199380.37	0.62531	646841.01	4199380.37	0.61134
646941.01	4199380.37	0.59605	647041.01	4199380.37	0.57984
647141.01	4199380.37	0.56188	647241.01	4199380.37	0.54263
647341.01	4199380.37	0.52222	644341.01	4199480.37	0.24086
644441.01	4199480.37	0.25579	644541.01	4199480.37	0.27247
644641.01	4199480.37	0.29142	644741.01	4199480.37	0.31332
644841.01	4199480.37	0.33888	644941.01	4199480.37	0.36861
645041.01	4199480.37	0.40249	645141.01	4199480.37	0.43964
645241.01	4199480.37	0.47814	645341.01	4199480.37	0.51500
645441.01	4199480.37	0.54655	645541.01	4199480.37	0.56966
645641.01	4199480.37	0.58418	645741.01	4199480.37	0.59441

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.60746	645941.01	4199480.37	0.62885
646041.01	4199480.37	0.65815	646141.01	4199480.37	0.68901
646241.01	4199480.37	0.71407	646341.01	4199480.37	0.72902
646441.01	4199480.37	0.73286	646541.01	4199480.37	0.72708
646641.01	4199480.37	0.71471	646741.01	4199480.37	0.69859
646841.01	4199480.37	0.68068	646941.01	4199480.37	0.66027
647041.01	4199480.37	0.63893	647141.01	4199480.37	0.61525
647241.01	4199480.37	0.59004	647341.01	4199480.37	0.56383
644341.01	4199580.37	0.25561	644441.01	4199580.37	0.27215
644541.01	4199580.37	0.29048	644641.01	4199580.37	0.31111
644741.01	4199580.37	0.33480	644841.01	4199580.37	0.36250
644941.01	4199580.37	0.39518	645041.01	4199580.37	0.43339
645141.01	4199580.37	0.47678	645241.01	4199580.37	0.52357
645341.01	4199580.37	0.57031	645441.01	4199580.37	0.61218
645541.01	4199580.37	0.64428	645641.01	4199580.37	0.66496
645741.01	4199580.37	0.67885	645841.01	4199580.37	0.69542
645941.01	4199580.37	0.72246	646041.01	4199580.37	0.75902
646141.01	4199580.37	0.79595	646241.01	4199580.37	0.82365
646341.01	4199580.37	0.83734	646441.01	4199580.37	0.83692
646541.01	4199580.37	0.82553	646641.01	4199580.37	0.80739
646741.01	4199580.37	0.78547	646841.01	4199580.37	0.76149
646941.01	4199580.37	0.73383	647041.01	4199580.37	0.70492
647141.01	4199580.37	0.67340	647241.01	4199580.37	0.64054
647341.01	4199580.37	0.60710	644341.01	4199680.37	0.27155
644441.01	4199680.37	0.29011	644541.01	4199680.37	0.31059
644641.01	4199680.37	0.33347	644741.01	4199680.37	0.35947

644841.01	4199680.37	0.38968	644941.01	4199680.37	0.42550
645041.01	4199680.37	0.46822	645141.01	4199680.37	0.51839
645241.01	4199680.37	0.57483	645341.01	4199680.37	0.63397
645441.01	4199680.37	0.68971	645541.01	4199680.37	0.73473
645641.01	4199680.37	0.76475	645741.01	4199680.37	0.78420
645841.01	4199680.37	0.80578	645941.01	4199680.37	0.84065
646041.01	4199680.37	0.88699	646141.01	4199680.37	0.93136
646241.01	4199680.37	0.96122	646341.01	4199680.37	0.97170
646441.01	4199680.37	0.96457	646541.01	4199680.37	0.94534
646641.01	4199680.37	0.91919	646741.01	4199680.37	0.88871
646841.01	4199680.37	0.85527	646941.01	4199680.37	0.81708
647041.01	4199680.37	0.77743	647141.01	4199680.37	0.73545
647241.01	4199680.37	0.69290	647341.01	4199680.37	0.65079
644341.01	4199780.37	0.28856	644441.01	4199780.37	0.30958

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.33279	644641.01	4199780.37	0.35863
644741.01	4199780.37	0.38775	644841.01	4199780.37	0.42124
644941.01	4199780.37	0.46073	645041.01	4199780.37	0.50826
645141.01	4199780.37	0.56562	645241.01	4199780.37	0.63302
645341.01	4199780.37	0.70747	645441.01	4199780.37	0.78182
645541.01	4199780.37	0.84555	645641.01	4199780.37	0.89006
645741.01	4199780.37	0.91826	645841.01	4199780.37	0.94715
645941.01	4199780.37	0.99323	646041.01	4199780.37	1.05301
646141.01	4199780.37	1.10636	646241.01	4199780.37	1.13698
646341.01	4199780.37	1.14091	646441.01	4199780.37	1.12348
646541.01	4199780.37	1.09294	646641.01	4199780.37	1.05478
646741.01	4199780.37	1.01096	646841.01	4199780.37	0.96210
646941.01	4199780.37	0.90957	647041.01	4199780.37	0.85519
647141.01	4199780.37	0.79978	647241.01	4199780.37	0.74547
647341.01	4199780.37	0.69341	644341.01	4199880.37	0.30647
644441.01	4199880.37	0.33037	644541.01	4199880.37	0.35693
644641.01	4199880.37	0.38657	644741.01	4199880.37	0.41989
644841.01	4199880.37	0.45788	644941.01	4199880.37	0.50216
645041.01	4199880.37	0.55528	645141.01	4199880.37	0.62039
645241.01	4199880.37	0.69988	645341.01	4199880.37	0.79275
645441.01	4199880.37	0.89179	645541.01	4199880.37	0.98283
645641.01	4199880.37	1.05031	645741.01	4199880.37	1.09282
645841.01	4199880.37	1.13287	645941.01	4199880.37	1.19553
646041.01	4199880.37	1.27421	646141.01	4199880.37	1.33799
646241.01	4199880.37	1.36609	646341.01	4199880.37	1.35788
646441.01	4199880.37	1.32442	646541.01	4199880.37	1.27641

646641.01	4199880.37	1.21936	646741.01	4199880.37	1.15394
646841.01	4199880.37	1.08259	646941.01	4199880.37	1.00945
647041.01	4199880.37	0.93547	647141.01	4199880.37	0.86383
647241.01	4199880.37	0.79615	647341.01	4199880.37	0.73342
644341.01	4199980.37	0.32501	644441.01	4199980.37	0.35220
644541.01	4199980.37	0.38271	644641.01	4199980.37	0.41703
644741.01	4199980.37	0.45580	644841.01	4199980.37	0.49995
644941.01	4199980.37	0.55097	645041.01	4199980.37	0.61145
645141.01	4199980.37	0.68554	645241.01	4199980.37	0.77830
645341.01	4199980.37	0.89265	645441.01	4199980.37	1.02387
645541.01	4199980.37	1.15480	645641.01	4199980.37	1.25963
645741.01	4199980.37	1.32717	645841.01	4199980.37	1.38448
645941.01	4199980.37	1.47277	646041.01	4199980.37	1.57862
646141.01	4199980.37	1.65328	646241.01	4199980.37	1.67177

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.64176	646441.01	4199980.37	1.58215
646541.01	4199980.37	1.50476	646641.01	4199980.37	1.41439
646741.01	4199980.37	1.31565	646841.01	4199980.37	1.21346
646941.01	4199980.37	1.11165	647041.01	4199980.37	1.01460
647141.01	4199980.37	0.92464	647241.01	4199980.37	0.84285
647341.01	4199980.37	0.76941	644341.01	4200080.37	0.34377
644441.01	4200080.37	0.37465	644541.01	4200080.37	0.40967
644641.01	4200080.37	0.44951	644741.01	4200080.37	0.49503
644841.01	4200080.37	0.54726	644941.01	4200080.37	0.60770
645041.01	4200080.37	0.67878	645141.01	4200080.37	0.76484
645241.01	4200080.37	0.87306	645341.01	4200080.37	1.01192
645441.01	4200080.37	1.18379	645541.01	4200080.37	1.37264
645641.01	4200080.37	1.53912	645741.01	4200080.37	1.65121
645841.01	4200080.37	1.74067	645941.01	4200080.37	1.87223
646041.01	4200080.37	2.01913	646141.01	4200080.37	2.09776
646241.01	4200080.37	2.09137	646341.01	4200080.37	2.02104
646441.01	4200080.37	1.91418	646541.01	4200080.37	1.78612
646641.01	4200080.37	1.64130	646741.01	4200080.37	1.49172
646841.01	4200080.37	1.34614	646941.01	4200080.37	1.21052
647041.01	4200080.37	1.08794	647141.01	4200080.37	0.97932
647241.01	4200080.37	0.88392	647341.01	4200080.37	0.80066
644341.01	4200180.37	0.36221	644441.01	4200180.37	0.39707
644541.01	4200180.37	0.43708	644641.01	4200180.37	0.48323
644741.01	4200180.37	0.53671	644841.01	4200180.37	0.59899
644941.01	4200180.37	0.67196	645041.01	4200180.37	0.75820
645141.01	4200180.37	0.86197	645241.01	4200180.37	0.99109

645341.01	4200180.37	1.15902	645441.01	4200180.37	1.38058
645541.01	4200180.37	1.65185	645641.01	4200180.37	1.92254
645741.01	4200180.37	2.11958	645841.01	4200180.37	2.26639
645941.01	4200180.37	2.47137	646041.01	4200180.37	2.67752
646141.01	4200180.37	2.75176	646241.01	4200180.37	2.68574
646341.01	4200180.37	2.53329	646441.01	4200180.37	2.33905
646541.01	4200180.37	2.11495	646641.01	4200180.37	1.88562
646741.01	4200180.37	1.66784	646841.01	4200180.37	1.47128
646941.01	4200180.37	1.29937	647041.01	4200180.37	1.15163
647141.01	4200180.37	1.02569	647241.01	4200180.37	0.91829
647341.01	4200180.37	0.82658	644341.01	4200280.37	0.38003
644441.01	4200280.37	0.41886	644541.01	4200280.37	0.46407
644641.01	4200280.37	0.51702	644741.01	4200280.37	0.57944
644841.01	4200280.37	0.65353	644941.01	4200280.37	0.74209

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.84875	645141.01	4200280.37	0.97856
645241.01	4200280.37	1.13971	645341.01	4200280.37	1.34780
645441.01	4200280.37	1.63091	645541.01	4200280.37	2.01539
645641.01	4200280.37	2.46330	645741.01	4200280.37	2.83583
645841.01	4200280.37	3.09743	645941.01	4200280.37	3.44207
646041.01	4200280.37	3.73405	646141.01	4200280.37	3.75014
646241.01	4200280.37	3.53837	646341.01	4200280.37	3.22211
646441.01	4200280.37	2.84792	646541.01	4200280.37	2.47047
646641.01	4200280.37	2.12515	646741.01	4200280.37	1.82774
646841.01	4200280.37	1.57897	646941.01	4200280.37	1.37316
647041.01	4200280.37	1.20336	647141.01	4200280.37	1.06271
647241.01	4200280.37	0.94542	647341.01	4200280.37	0.84679
644341.01	4200380.37	0.39772	644441.01	4200380.37	0.44024
644541.01	4200380.37	0.49045	644641.01	4200380.37	0.55015
644741.01	4200380.37	0.62182	644841.01	4200380.37	0.70874
644941.01	4200380.37	0.81524	645041.01	4200380.37	0.94716
645141.01	4200380.37	1.11234	645241.01	4200380.37	1.32220
645341.01	4200380.37	1.59491	645441.01	4200380.37	1.96880
645541.01	4200380.37	2.50386	645641.01	4200380.37	3.25030
645741.01	4200380.37	4.00002	645841.01	4200380.37	4.53372
645941.01	4200380.37	5.17205	646041.01	4200380.37	5.55452
646141.01	4200380.37	5.33924	646241.01	4200380.37	4.77147
646341.01	4200380.37	4.07776	646441.01	4200380.37	3.39356
646541.01	4200380.37	2.80597	646641.01	4200380.37	2.33101
646741.01	4200380.37	1.95691	646841.01	4200380.37	1.66259
646941.01	4200380.37	1.42906	647041.01	4200380.37	1.24179

647141.01	4200380.37	1.08974	647241.01	4200380.37	0.96475
647341.01	4200380.37	0.86084	644341.01	4200480.37	0.41699
644441.01	4200480.37	0.46303	644541.01	4200480.37	0.51809
644641.01	4200480.37	0.58417	644741.01	4200480.37	0.66471
644841.01	4200480.37	0.76425	644941.01	4200480.37	0.88924
645041.01	4200480.37	1.04910	645141.01	4200480.37	1.25721
645241.01	4200480.37	1.53360	645341.01	4200480.37	1.90879
645441.01	4200480.37	2.42656	645541.01	4200480.37	3.20880
645641.01	4200480.37	4.45412	645741.01	4200480.37	6.11872
645841.01	4200480.37	7.44983	645941.01	4200480.37	8.85921
646041.01	4200480.37	9.10470	646141.01	4200480.37	7.96018
646241.01	4200480.37	6.39427	646341.01	4200480.37	4.97175
646441.01	4200480.37	3.87236	646541.01	4200480.37	3.06743
646641.01	4200480.37	2.48068	646741.01	4200480.37	2.04645

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.71830	646941.01	4200480.37	1.46484
647041.01	4200480.37	1.26539	647141.01	4200480.37	1.10546
647241.01	4200480.37	0.97528	647341.01	4200480.37	0.86785
644341.01	4200580.37	0.43914	644441.01	4200580.37	0.48908
644541.01	4200580.37	0.54881	644641.01	4200580.37	0.62126
644741.01	4200580.37	0.71050	644841.01	4200580.37	0.82233
644941.01	4200580.37	0.96535	645041.01	4200580.37	1.15261
645141.01	4200580.37	1.40470	645241.01	4200580.37	1.75363
645341.01	4200580.37	2.26042	645441.01	4200580.37	3.01987
645541.01	4200580.37	4.26202	645641.01	4200580.37	6.40721
645741.01	4200580.37	10.40177	645841.01	4200580.37	14.86288
645941.01	4200580.37	18.61735	646041.01	4200580.37	16.34233
646141.01	4200580.37	11.61754	646241.01	4200580.37	7.96864
646341.01	4200580.37	5.64612	646441.01	4200580.37	4.17998
646541.01	4200580.37	3.21914	646641.01	4200580.37	2.56008
646741.01	4200580.37	2.08939	646841.01	4200580.37	1.74171
646941.01	4200580.37	1.47739	647041.01	4200580.37	1.27153
647141.01	4200580.37	1.10786	647241.01	4200580.37	0.97543
647341.01	4200580.37	0.86663	644341.01	4200680.37	0.46291
644441.01	4200680.37	0.51713	644541.01	4200680.37	0.58247
644641.01	4200680.37	0.66228	644741.01	4200680.37	0.76149
644841.01	4200680.37	0.88696	644941.01	4200680.37	1.04939
645041.01	4200680.37	1.26564	645141.01	4200680.37	1.56357
645241.01	4200680.37	1.99219	645341.01	4200680.37	2.63428
645441.01	4200680.37	3.71339	645541.01	4200680.37	5.65788
645641.01	4200680.37	9.75479	645741.01	4200680.37	20.52912

645841.01	4200680.37	46.56542	645941.01	4200680.37	54.36106
646041.01	4200680.37	27.55350	646141.01	4200680.37	14.45565
646241.01	4200680.37	8.75540	646341.01	4200680.37	5.88997
646441.01	4200680.37	4.25624	646541.01	4200680.37	3.23629
646641.01	4200680.37	2.55604	646741.01	4200680.37	2.07728
646841.01	4200680.37	1.72708	646941.01	4200680.37	1.46255
647041.01	4200680.37	1.25742	647141.01	4200680.37	1.09483
647241.01	4200680.37	0.96355	647341.01	4200680.37	0.85587
644341.01	4200780.37	0.48419	644441.01	4200780.37	0.54260
644541.01	4200780.37	0.61330	644641.01	4200780.37	0.70010
644741.01	4200780.37	0.80861	644841.01	4200780.37	0.94710
644941.01	4200780.37	1.12836	645041.01	4200780.37	1.37322
645141.01	4200780.37	1.71599	645241.01	4200780.37	2.22076
645341.01	4200780.37	3.00562	645441.01	4200780.37	4.36275

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	7.06934	645641.01	4200780.37	14.05800
645741.01	4200780.37	43.95299	646041.01	4200780.37	28.89371
646141.01	4200780.37	13.87106	646241.01	4200780.37	8.28491
646341.01	4200780.37	5.57419	646441.01	4200780.37	4.04323
646541.01	4200780.37	3.08733	646641.01	4200780.37	2.44731
646741.01	4200780.37	1.99643	646841.01	4200780.37	1.66490
646941.01	4200780.37	1.41360	647041.01	4200780.37	1.21811
647141.01	4200780.37	1.06272	647241.01	4200780.37	0.93693
647341.01	4200780.37	0.83352	644341.01	4200880.37	0.49863
644441.01	4200880.37	0.55945	644541.01	4200880.37	0.63310
644641.01	4200880.37	0.72389	644741.01	4200880.37	0.83739
644841.01	4200880.37	0.98248	644941.01	4200880.37	1.17263
645041.01	4200880.37	1.42954	645141.01	4200880.37	1.79059
645241.01	4200880.37	2.32159	645341.01	4200880.37	3.15482
645441.01	4200880.37	4.58057	645541.01	4200880.37	7.32219
645641.01	4200880.37	13.59333	645741.01	4200880.37	32.33219
645841.01	4200880.37	41.88388	645941.01	4200880.37	23.98053
646041.01	4200880.37	14.46292	646141.01	4200880.37	9.25186
646241.01	4200880.37	6.31655	646341.01	4200880.37	4.57278
646441.01	4200880.37	3.46687	646541.01	4200880.37	2.72720
646641.01	4200880.37	2.20699	646741.01	4200880.37	1.82832
646841.01	4200880.37	1.54306	646941.01	4200880.37	1.32220
647041.01	4200880.37	1.14772	647141.01	4200880.37	1.00730
647241.01	4200880.37	0.89247	647341.01	4200880.37	0.79726
644341.01	4200980.37	0.50404	644441.01	4200980.37	0.56510
644541.01	4200980.37	0.63878	644641.01	4200980.37	0.72912

644741.01	4200980.37	0.84198	644841.01	4200980.37	0.98519
644941.01	4200980.37	1.17139	645041.01	4200980.37	1.42008
645141.01	4200980.37	1.76313	645241.01	4200980.37	2.25629
645341.01	4200980.37	2.99708	645441.01	4200980.37	4.17799
645541.01	4200980.37	6.18303	645641.01	4200980.37	9.53959
645741.01	4200980.37	12.90452	645841.01	4200980.37	11.55050
645941.01	4200980.37	9.07477	646041.01	4200980.37	6.66554
646141.01	4200980.37	5.14316	646241.01	4200980.37	4.06371
646341.01	4200980.37	3.26799	646441.01	4200980.37	2.66767
646541.01	4200980.37	2.20959	646641.01	4200980.37	1.85690
646741.01	4200980.37	1.58190	646841.01	4200980.37	1.36398
646941.01	4200980.37	1.18875	647041.01	4200980.37	1.04570
647141.01	4200980.37	0.92767	647241.01	4200980.37	0.82919
647341.01	4200980.37	0.74617	644341.01	4201080.37	0.50163

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.56112	644541.01	4201080.37	0.63274
644641.01	4201080.37	0.71996	644741.01	4201080.37	0.82792
644841.01	4201080.37	0.96349	644941.01	4201080.37	1.13711
645041.01	4201080.37	1.36448	645141.01	4201080.37	1.66909
645241.01	4201080.37	2.08858	645341.01	4201080.37	2.68442
645441.01	4201080.37	3.54619	645541.01	4201080.37	4.72948
645641.01	4201080.37	5.92681	645741.01	4201080.37	6.09499
645841.01	4201080.37	5.51104	645941.01	4201080.37	4.81840
646041.01	4201080.37	3.93092	646141.01	4201080.37	3.23944
646241.01	4201080.37	2.69720	646341.01	4201080.37	2.28916
646441.01	4201080.37	1.96779	646541.01	4201080.37	1.70633
646641.01	4201080.37	1.48967	646741.01	4201080.37	1.30938
646841.01	4201080.37	1.15839	646941.01	4201080.37	1.03077
647041.01	4201080.37	0.92262	647141.01	4201080.37	0.83029
647241.01	4201080.37	0.75108	647341.01	4201080.37	0.68273
644341.01	4201180.37	0.49403	644441.01	4201180.37	0.55105
644541.01	4201180.37	0.61929	644641.01	4201180.37	0.70167
644741.01	4201180.37	0.80216	644841.01	4201180.37	0.92645
644941.01	4201180.37	1.08241	645041.01	4201180.37	1.28132
645141.01	4201180.37	1.54018	645241.01	4201180.37	1.88115
645341.01	4201180.37	2.32896	645441.01	4201180.37	2.88049
645541.01	4201180.37	3.43155	645641.01	4201180.37	3.71689
645741.01	4201180.37	3.55962	645841.01	4201180.37	3.27891
645941.01	4201180.37	3.01666	646041.01	4201180.37	2.64216
646141.01	4201180.37	2.26762	646241.01	4201180.37	1.95044
646341.01	4201180.37	1.69531	646441.01	4201180.37	1.49123

646541.01	4201180.37	1.32477	646641.01	4201180.37	1.18556
646741.01	4201180.37	1.06677	646841.01	4201180.37	0.96428
646941.01	4201180.37	0.87475	647041.01	4201180.37	0.79633
647141.01	4201180.37	0.72735	647241.01	4201180.37	0.66655
647341.01	4201180.37	0.61277	644341.01	4201280.37	0.48321
644441.01	4201280.37	0.53709	644541.01	4201280.37	0.60090
644641.01	4201280.37	0.67698	644741.01	4201280.37	0.76837
644841.01	4201280.37	0.87951	644941.01	4201280.37	1.01633
645041.01	4201280.37	1.18679	645141.01	4201280.37	1.40026
645241.01	4201280.37	1.66359	645341.01	4201280.37	1.96684
645441.01	4201280.37	2.26607	645541.01	4201280.37	2.47047
645641.01	4201280.37	2.48600	645741.01	4201280.37	2.34988
645841.01	4201280.37	2.21972	645941.01	4201280.37	2.08688
646041.01	4201280.37	1.88743	646141.01	4201280.37	1.68396

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.49049	646341.01	4201280.37	1.32234
646441.01	4201280.37	1.18051	646541.01	4201280.37	1.06211
646641.01	4201280.37	0.96234	646741.01	4201280.37	0.87736
646841.01	4201280.37	0.80383	646941.01	4201280.37	0.73927
647041.01	4201280.37	0.68188	647141.01	4201280.37	0.63062
647241.01	4201280.37	0.58461	647341.01	4201280.37	0.54315
644341.01	4201380.37	0.46990	644441.01	4201380.37	0.52004
644541.01	4201380.37	0.57862	644641.01	4201380.37	0.64770
644741.01	4201380.37	0.72963	644841.01	4201380.37	0.82789
644941.01	4201380.37	0.94655	645041.01	4201380.37	1.08942
645141.01	4201380.37	1.25733	645241.01	4201380.37	1.44294
645341.01	4201380.37	1.62459	645441.01	4201380.37	1.76400
645541.01	4201380.37	1.81852	645641.01	4201380.37	1.77360
645741.01	4201380.37	1.68341	645841.01	4201380.37	1.61293
645941.01	4201380.37	1.53872	646041.01	4201380.37	1.42963
646141.01	4201380.37	1.30021	646241.01	4201380.37	1.17999
646341.01	4201380.37	1.06623	646441.01	4201380.37	0.96512
646541.01	4201380.37	0.87749	646641.01	4201380.37	0.80181
646741.01	4201380.37	0.73654	646841.01	4201380.37	0.67997
646941.01	4201380.37	0.63044	647041.01	4201380.37	0.58655
647141.01	4201380.37	0.54726	647241.01	4201380.37	0.51179
647341.01	4201380.37	0.47954	644341.01	4201480.37	0.45440
644441.01	4201480.37	0.50050	644541.01	4201480.37	0.55380
644641.01	4201480.37	0.61604	644741.01	4201480.37	0.68926
644841.01	4201480.37	0.77539	644941.01	4201480.37	0.87593
645041.01	4201480.37	0.99006	645141.01	4201480.37	1.11239

645241.01	4201480.37	1.23141	645341.01	4201480.37	1.32850
645441.01	4201480.37	1.38346	645541.01	4201480.37	1.38196
645641.01	4201480.37	1.33332	645741.01	4201480.37	1.27546
645841.01	4201480.37	1.23375	645941.01	4201480.37	1.18922
646041.01	4201480.37	1.12270	646141.01	4201480.37	1.03941
646241.01	4201480.37	0.95850	646341.01	4201480.37	0.87961
646441.01	4201480.37	0.80684	646541.01	4201480.37	0.74127
646641.01	4201480.37	0.68303	646741.01	4201480.37	0.63154
646841.01	4201480.37	0.58604	646941.01	4201480.37	0.54596
647041.01	4201480.37	0.51050	647141.01	4201480.37	0.47885
647241.01	4201480.37	0.45036	647341.01	4201480.37	0.42449
644341.01	4201580.37	0.43744	644441.01	4201580.37	0.47964
644541.01	4201580.37	0.52812	644641.01	4201580.37	0.58418
644741.01	4201580.37	0.64887	644841.01	4201580.37	0.72244

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.80374	645041.01	4201580.37	0.88904
645141.01	4201580.37	0.97151	645241.01	4201580.37	1.04131
645341.01	4201580.37	1.08814	645441.01	4201580.37	1.10312
645541.01	4201580.37	1.08390	645641.01	4201580.37	1.04377
645741.01	4201580.37	1.00581	645841.01	4201580.37	0.97955
645941.01	4201580.37	0.95117	646041.01	4201580.37	0.90797
646141.01	4201580.37	0.85214	646241.01	4201580.37	0.79420
646341.01	4201580.37	0.73897	646441.01	4201580.37	0.68563
646541.01	4201580.37	0.63602	646641.01	4201580.37	0.59089
646741.01	4201580.37	0.54992	646841.01	4201580.37	0.51297
646941.01	4201580.37	0.47985	647041.01	4201580.37	0.45028
647141.01	4201580.37	0.42376	647241.01	4201580.37	0.39991
647341.01	4201580.37	0.37831	644341.01	4201680.37	0.41998
644441.01	4201680.37	0.45866	644541.01	4201680.37	0.50261
644641.01	4201680.37	0.55250	644741.01	4201680.37	0.60803
644841.01	4201680.37	0.66813	644941.01	4201680.37	0.73026
645041.01	4201680.37	0.78988	645141.01	4201680.37	0.84162
645241.01	4201680.37	0.87982	645341.01	4201680.37	0.89908
645441.01	4201680.37	0.89608	645541.01	4201680.37	0.87340
645641.01	4201680.37	0.84330	645741.01	4201680.37	0.81776
645841.01	4201680.37	0.80035	645941.01	4201680.37	0.78077
646041.01	4201680.37	0.75209	646141.01	4201680.37	0.71297
646241.01	4201680.37	0.67110	646341.01	4201680.37	0.62942
646441.01	4201680.37	0.59018	646541.01	4201680.37	0.55224
646641.01	4201680.37	0.51687	646741.01	4201680.37	0.48426
646841.01	4201680.37	0.45426	646941.01	4201680.37	0.42683

647041.01	4201680.37	0.40143	647141.01	4201680.37	0.37920
647241.01	4201680.37	0.35873	647341.01	4201680.37	0.34019
644341.01	4201780.37	0.40275	644441.01	4201780.37	0.43794
644541.01	4201780.37	0.47725	644641.01	4201780.37	0.52025
644741.01	4201780.37	0.56609	644841.01	4201780.37	0.61273
644941.01	4201780.37	0.65744	645041.01	4201780.37	0.69694
645141.01	4201780.37	0.72771	645241.01	4201780.37	0.74669
645341.01	4201780.37	0.75133	645441.01	4201780.37	0.74127
645541.01	4201780.37	0.72049	645641.01	4201780.37	0.69786
645741.01	4201780.37	0.68059	645841.01	4201780.37	0.66788
645941.01	4201780.37	0.65401	646041.01	4201780.37	0.63377
646141.01	4201780.37	0.60658	646241.01	4201780.37	0.57557
646341.01	4201780.37	0.54391	646441.01	4201780.37	0.51317
646541.01	4201780.37	0.48374	646641.01	4201780.37	0.45579

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.42956	646841.01	4201780.37	0.40526
646941.01	4201780.37	0.38251	647041.01	4201780.37	0.36157
647141.01	4201780.37	0.34230	647241.01	4201780.37	0.32458
647341.01	4201780.37	0.30860	644341.01	4201880.37	0.38570
644441.01	4201880.37	0.41724	644541.01	4201880.37	0.45127
644641.01	4201880.37	0.48704	644741.01	4201880.37	0.52313
644841.01	4201880.37	0.55759	644941.01	4201880.37	0.58833
645041.01	4201880.37	0.61320	645141.01	4201880.37	0.63042
645241.01	4201880.37	0.63832	645341.01	4201880.37	0.63574
645441.01	4201880.37	0.62387	645541.01	4201880.37	0.60560
645641.01	4201880.37	0.58886	645741.01	4201880.37	0.57668
645841.01	4201880.37	0.56787	645941.01	4201880.37	0.55794
646041.01	4201880.37	0.54350	646141.01	4201880.37	0.52380
646241.01	4201880.37	0.50034	646341.01	4201880.37	0.47561
646441.01	4201880.37	0.45155	646541.01	4201880.37	0.42831
646641.01	4201880.37	0.40559	646741.01	4201880.37	0.38432
646841.01	4201880.37	0.36418	646941.01	4201880.37	0.34538
647041.01	4201880.37	0.32779	647141.01	4201880.37	0.31135
647241.01	4201880.37	0.29605	647341.01	4201880.37	0.28188
644341.01	4201980.37	0.36855	644441.01	4201980.37	0.39599
644541.01	4201980.37	0.42449	644641.01	4201980.37	0.45296
644741.01	4201980.37	0.48010	644841.01	4201980.37	0.50450
644941.01	4201980.37	0.52486	645041.01	4201980.37	0.54005
645141.01	4201980.37	0.54890	645241.01	4201980.37	0.54995
645341.01	4201980.37	0.54405	645441.01	4201980.37	0.53219
645541.01	4201980.37	0.51795	645641.01	4201980.37	0.50583

645741.01	4201980.37	0.49707	645841.01	4201980.37	0.49060
645941.01	4201980.37	0.48319	646041.01	4201980.37	0.47227
646141.01	4201980.37	0.45724	646241.01	4201980.37	0.43918
646341.01	4201980.37	0.41986	646441.01	4201980.37	0.40051
646541.01	4201980.37	0.38175	646641.01	4201980.37	0.36362
646741.01	4201980.37	0.34616	646841.01	4201980.37	0.32952
646941.01	4201980.37	0.31378	647041.01	4201980.37	0.29894
647141.01	4201980.37	0.28496	647241.01	4201980.37	0.27171
647341.01	4201980.37	0.25935	644341.01	4202080.37	0.35088
644441.01	4202080.37	0.37396	644541.01	4202080.37	0.39684
644641.01	4202080.37	0.41870	644741.01	4202080.37	0.43848
644841.01	4202080.37	0.45534	644941.01	4202080.37	0.46852
645041.01	4202080.37	0.47676	645141.01	4202080.37	0.48041
645241.01	4202080.37	0.47849	645341.01	4202080.37	0.47131

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.46091	645541.01	4202080.37	0.44933
645641.01	4202080.37	0.43994	645741.01	4202080.37	0.43353
645841.01	4202080.37	0.42867	645941.01	4202080.37	0.42298
646041.01	4202080.37	0.41465	646141.01	4202080.37	0.40311
646241.01	4202080.37	0.38908	646341.01	4202080.37	0.37365
646441.01	4202080.37	0.35793	646541.01	4202080.37	0.34252
646641.01	4202080.37	0.32767	646741.01	4202080.37	0.31332
646841.01	4202080.37	0.29946	646941.01	4202080.37	0.28621
647041.01	4202080.37	0.27359	647141.01	4202080.37	0.26167
647241.01	4202080.37	0.25037	647341.01	4202080.37	0.23966
644341.01	4202180.37	0.33248	644441.01	4202180.37	0.35122
644541.01	4202180.37	0.36912	644641.01	4202180.37	0.38546
644741.01	4202180.37	0.39916	644841.01	4202180.37	0.41047
644941.01	4202180.37	0.41861	645041.01	4202180.37	0.42318
645141.01	4202180.37	0.42370	645241.01	4202180.37	0.42028
645341.01	4202180.37	0.41272	645441.01	4202180.37	0.40330
645541.01	4202180.37	0.39395	645641.01	4202180.37	0.38690
645741.01	4202180.37	0.38221	645841.01	4202180.37	0.37847
645941.01	4202180.37	0.37399	646041.01	4202180.37	0.36749
646141.01	4202180.37	0.35855	646241.01	4202180.37	0.34745
646341.01	4202180.37	0.33510	646441.01	4202180.37	0.32220
646541.01	4202180.37	0.30940	646641.01	4202180.37	0.29694
646741.01	4202180.37	0.28494	646841.01	4202180.37	0.27330
646941.01	4202180.37	0.26211	647041.01	4202180.37	0.25138
647141.01	4202180.37	0.24115	647241.01	4202180.37	0.23141
647341.01	4202180.37	0.22213	644341.01	4202280.37	0.31363

644441.01	4202280.37	0.32823	644541.01	4202280.37	0.34177
644641.01	4202280.37	0.35361	644741.01	4202280.37	0.36346
644841.01	4202280.37	0.37095	644941.01	4202280.37	0.37571
645041.01	4202280.37	0.37741	645141.01	4202280.37	0.37599
645241.01	4202280.37	0.37135	645341.01	4202280.37	0.36422
645441.01	4202280.37	0.35612	645541.01	4202280.37	0.34884
645641.01	4202280.37	0.34354	645741.01	4202280.37	0.33989
645841.01	4202280.37	0.33696	645941.01	4202280.37	0.33342
646041.01	4202280.37	0.32838	646141.01	4202280.37	0.32140
646241.01	4202280.37	0.31260	646341.01	4202280.37	0.30246
646441.01	4202280.37	0.29175	646541.01	4202280.37	0.28107
646641.01	4202280.37	0.27061	646741.01	4202280.37	0.26044
646841.01	4202280.37	0.25060	646941.01	4202280.37	0.24107
647041.01	4202280.37	0.23184	647141.01	4202280.37	0.22298

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.21453	647341.01	4202280.37	0.20646
645946.01	4200731.54	87.59558	645933.67	4200896.54	20.47143
645889.89	4200889.80	28.45788	645847.24	4200866.23	53.97439
645697.97	4200718.07	18.04462	645704.70	4200712.46	18.53863

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37250	646506.52	4202111.83	0.30752
645939.20	4200707.16	43.24540	644341.01	4199280.37	0.20670
644441.01	4199280.37	0.21903	644541.01	4199280.37	0.23310
644641.01	4199280.37	0.24924	644741.01	4199280.37	0.26773
644841.01	4199280.37	0.28871	644941.01	4199280.37	0.31200
645041.01	4199280.37	0.33701	645141.01	4199280.37	0.36265
645241.01	4199280.37	0.38730	645341.01	4199280.37	0.40900
645441.01	4199280.37	0.42603	645541.01	4199280.37	0.43766
645641.01	4199280.37	0.44498	645741.01	4199280.37	0.45090
645841.01	4199280.37	0.45909	645941.01	4199280.37	0.47217
646041.01	4199280.37	0.49018	646141.01	4199280.37	0.51059
646241.01	4199280.37	0.52974	646341.01	4199280.37	0.54452
646441.01	4199280.37	0.55327	646541.01	4199280.37	0.55574
646641.01	4199280.37	0.55283	646741.01	4199280.37	0.54602
646841.01	4199280.37	0.53739	646941.01	4199280.37	0.52614
647041.01	4199280.37	0.51574	647141.01	4199280.37	0.50366
647241.01	4199280.37	0.49055	647341.01	4199280.37	0.47632
644341.01	4199380.37	0.21814	644441.01	4199380.37	0.23123
644541.01	4199380.37	0.24612	644641.01	4199380.37	0.26325
644741.01	4199380.37	0.28308	644841.01	4199380.37	0.30593
644941.01	4199380.37	0.33187	645041.01	4199380.37	0.36049
645141.01	4199380.37	0.39072	645241.01	4199380.37	0.42077
645341.01	4199380.37	0.44821	645441.01	4199380.37	0.47053
645541.01	4199380.37	0.48627	645641.01	4199380.37	0.49624
645741.01	4199380.37	0.50385	645841.01	4199380.37	0.51386
645941.01	4199380.37	0.52977	646041.01	4199380.37	0.55156

646141.01	4199380.37	0.57573	646241.01	4199380.37	0.59747
646341.01	4199380.37	0.61305	646441.01	4199380.37	0.62081
646541.01	4199380.37	0.62100	646641.01	4199380.37	0.61522
646741.01	4199380.37	0.60544	646841.01	4199380.37	0.59331
646941.01	4199380.37	0.57971	647041.01	4199380.37	0.56647
647141.01	4199380.37	0.55088	647241.01	4199380.37	0.53396
647341.01	4199380.37	0.51584	644341.01	4199480.37	0.23089
644441.01	4199480.37	0.24495	644541.01	4199480.37	0.26084
644641.01	4199480.37	0.27908	644741.01	4199480.37	0.30027
644841.01	4199480.37	0.32501	644941.01	4199480.37	0.35368
645041.01	4199480.37	0.38618	645141.01	4199480.37	0.42164
645241.01	4199480.37	0.45817	645341.01	4199480.37	0.49284
645441.01	4199480.37	0.52221	645541.01	4199480.37	0.54371
645641.01	4199480.37	0.55749	645741.01	4199480.37	0.56748

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.57993	645941.01	4199480.37	0.59957
646041.01	4199480.37	0.62626	646141.01	4199480.37	0.65508
646241.01	4199480.37	0.67968	646341.01	4199480.37	0.69561
646441.01	4199480.37	0.70146	646541.01	4199480.37	0.69838
646641.01	4199480.37	0.68881	646741.01	4199480.37	0.67522
646841.01	4199480.37	0.66016	646941.01	4199480.37	0.64146
647041.01	4199480.37	0.62338	647141.01	4199480.37	0.60259
647241.01	4199480.37	0.58077	647341.01	4199480.37	0.55724
644341.01	4199580.37	0.24505	644441.01	4199580.37	0.26037
644541.01	4199580.37	0.27754	644641.01	4199580.37	0.29711
644741.01	4199580.37	0.31981	644841.01	4199580.37	0.34650
644941.01	4199580.37	0.37794	645041.01	4199580.37	0.41453
645141.01	4199580.37	0.45581	645241.01	4199580.37	0.50000
645341.01	4199580.37	0.54378	645441.01	4199580.37	0.58256
645541.01	4199580.37	0.61215	645641.01	4199580.37	0.63152
645741.01	4199580.37	0.64498	645841.01	4199580.37	0.66074
645941.01	4199580.37	0.68540	646041.01	4199580.37	0.71856
646141.01	4199580.37	0.75316	646241.01	4199580.37	0.78076
646341.01	4199580.37	0.79621	646441.01	4199580.37	0.79883
646541.01	4199580.37	0.79109	646641.01	4199580.37	0.77647
646741.01	4199580.37	0.75771	646841.01	4199580.37	0.73778
646941.01	4199580.37	0.71242	647041.01	4199580.37	0.68794
647141.01	4199580.37	0.65988	647241.01	4199580.37	0.63039
647341.01	4199580.37	0.60007	644341.01	4199680.37	0.26062
644441.01	4199680.37	0.27758	644541.01	4199680.37	0.29644
644641.01	4199680.37	0.31775	644741.01	4199680.37	0.34228

644841.01	4199680.37	0.37110	644941.01	4199680.37	0.40540
645041.01	4199680.37	0.44621	645141.01	4199680.37	0.49380
645241.01	4199680.37	0.54691	645341.01	4199680.37	0.60203
645441.01	4199680.37	0.65337	645541.01	4199680.37	0.69449
645641.01	4199680.37	0.72220	645741.01	4199680.37	0.74082
645841.01	4199680.37	0.76122	645941.01	4199680.37	0.79278
646041.01	4199680.37	0.83465	646141.01	4199680.37	0.87645
646241.01	4199680.37	0.90689	646341.01	4199680.37	0.92040
646441.01	4199680.37	0.91782	646541.01	4199680.37	0.90347
646641.01	4199680.37	0.88184	646741.01	4199680.37	0.85567
646841.01	4199680.37	0.82785	646941.01	4199680.37	0.79327
647041.01	4199680.37	0.75943	647141.01	4199680.37	0.72205
647241.01	4199680.37	0.68373	647341.01	4199680.37	0.64528
644341.01	4199780.37	0.27755	644441.01	4199780.37	0.29660

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.31770	644641.01	4199780.37	0.34133
644741.01	4199780.37	0.36827	644841.01	4199780.37	0.39967
644941.01	4199780.37	0.43709	645041.01	4199780.37	0.48227
645141.01	4199780.37	0.53656	645241.01	4199780.37	0.59975
645341.01	4199780.37	0.66878	645441.01	4199780.37	0.73683
645541.01	4199780.37	0.79447	645641.01	4199780.37	0.83491
645741.01	4199780.37	0.86145	645841.01	4199780.37	0.88856
645941.01	4199780.37	0.92989	646041.01	4199780.37	0.98373
646141.01	4199780.37	1.03444	646241.01	4199780.37	1.06694
646341.01	4199780.37	1.07601	646441.01	4199780.37	1.06524
646541.01	4199780.37	1.04131	646641.01	4199780.37	1.00937
646741.01	4199780.37	0.97198	646841.01	4199780.37	0.92977
646941.01	4199780.37	0.88424	647041.01	4199780.37	0.83723
647141.01	4199780.37	0.78754	647241.01	4199780.37	0.73817
647341.01	4199780.37	0.69022	644341.01	4199880.37	0.29571
644441.01	4199880.37	0.31733	644541.01	4199880.37	0.34129
644641.01	4199880.37	0.36804	644741.01	4199880.37	0.39828
644841.01	4199880.37	0.43313	644941.01	4199880.37	0.47433
645041.01	4199880.37	0.52426	645141.01	4199880.37	0.58556
645241.01	4199880.37	0.65985	645341.01	4199880.37	0.74556
645441.01	4199880.37	0.83560	645541.01	4199880.37	0.91710
645641.01	4199880.37	0.97732	645741.01	4199880.37	1.01648
645841.01	4199880.37	1.05365	645941.01	4199880.37	1.10929
646041.01	4199880.37	1.17996	646141.01	4199880.37	1.24149
646241.01	4199880.37	1.27400	646341.01	4199880.37	1.27435
646441.01	4199880.37	1.25065	646541.01	4199880.37	1.21206

646641.01	4199880.37	1.16525	646741.01	4199880.37	1.10947
646841.01	4199880.37	1.04748	646941.01	4199880.37	0.98485
647041.01	4199880.37	0.91897	647141.01	4199880.37	0.85414
647241.01	4199880.37	0.79197	647341.01	4199880.37	0.73365
644341.01	4199980.37	0.31492	644441.01	4199980.37	0.33958
644541.01	4199980.37	0.36707	644641.01	4199980.37	0.39785
644741.01	4199980.37	0.43256	644841.01	4199980.37	0.47223
644941.01	4199980.37	0.51856	645041.01	4199980.37	0.57428
645141.01	4199980.37	0.64321	645241.01	4199980.37	0.72942
645341.01	4199980.37	0.83448	645441.01	4199980.37	0.95296
645541.01	4199980.37	1.06892	645641.01	4199980.37	1.16085
645741.01	4199980.37	1.22217	645841.01	4199980.37	1.27368
645941.01	4199980.37	1.35112	646041.01	4199980.37	1.44608
646141.01	4199980.37	1.52008	646241.01	4199980.37	1.54788

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.53205	646441.01	4199980.37	1.48737
646541.01	4199980.37	1.42481	646641.01	4199980.37	1.34950
646741.01	4199980.37	1.26638	646841.01	4199980.37	1.17931
646941.01	4199980.37	1.08944	647041.01	4199980.37	1.00199
647141.01	4199980.37	0.91950	647241.01	4199980.37	0.84332
647341.01	4199980.37	0.77396	644341.01	4200080.37	0.33493
644441.01	4200080.37	0.36307	644541.01	4200080.37	0.39473
644641.01	4200080.37	0.43048	644741.01	4200080.37	0.47101
644841.01	4200080.37	0.51734	644941.01	4200080.37	0.57102
645041.01	4200080.37	0.63473	645141.01	4200080.37	0.71298
645241.01	4200080.37	0.81226	645341.01	4200080.37	0.93902
645441.01	4200080.37	1.09318	645541.01	4200080.37	1.25859
645641.01	4200080.37	1.40143	645741.01	4200080.37	1.50005
645841.01	4200080.37	1.58142	645941.01	4200080.37	1.69744
646041.01	4200080.37	1.83153	646141.01	4200080.37	1.90870
646241.01	4200080.37	1.92105	646341.01	4200080.37	1.87427
646441.01	4200080.37	1.79158	646541.01	4200080.37	1.69180
646641.01	4200080.37	1.57119	646741.01	4200080.37	1.44339
646841.01	4200080.37	1.31579	646941.01	4200080.37	1.19411
647041.01	4200080.37	1.08181	647141.01	4200080.37	0.98075
647241.01	4200080.37	0.89031	647341.01	4200080.37	0.81033
644341.01	4200180.37	0.35547	644441.01	4200180.37	0.38744
644541.01	4200180.37	0.42384	644641.01	4200180.37	0.46543
644741.01	4200180.37	0.51316	644841.01	4200180.37	0.56820
644941.01	4200180.37	0.63219	645041.01	4200180.37	0.70768
645141.01	4200180.37	0.79912	645241.01	4200180.37	0.91446

645341.01	4200180.37	1.06554	645441.01	4200180.37	1.26263
645541.01	4200180.37	1.49752	645641.01	4200180.37	1.72478
645741.01	4200180.37	1.89142	645841.01	4200180.37	2.02123
645941.01	4200180.37	2.19811	646041.01	4200180.37	2.38701
646141.01	4200180.37	2.47719	646241.01	4200180.37	2.44716
646341.01	4200180.37	2.33359	646441.01	4200180.37	2.18913
646541.01	4200180.37	2.00741	646641.01	4200180.37	1.81474
646741.01	4200180.37	1.62563	646841.01	4200180.37	1.44991
646941.01	4200180.37	1.29236	647041.01	4200180.37	1.15416
647141.01	4200180.37	1.03450	647241.01	4200180.37	0.93076
647341.01	4200180.37	0.84116	644341.01	4200280.37	0.37641
644441.01	4200280.37	0.41242	644541.01	4200280.37	0.45394
644641.01	4200280.37	0.50208	644741.01	4200280.37	0.55818
644841.01	4200280.37	0.62395	644941.01	4200280.37	0.70152

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.79381	645141.01	4200280.37	0.90531
645241.01	4200280.37	1.04409	645341.01	4200280.37	1.22540
645441.01	4200280.37	1.47284	645541.01	4200280.37	1.80144
645641.01	4200280.37	2.16885	645741.01	4200280.37	2.47197
645841.01	4200280.37	2.68933	645941.01	4200280.37	2.97819
646041.01	4200280.37	3.25385	646141.01	4200280.37	3.32315
646241.01	4200280.37	3.18360	646341.01	4200280.37	2.96282
646441.01	4200280.37	2.67268	646541.01	4200280.37	2.36225
646641.01	4200280.37	2.06456	646741.01	4200280.37	1.79958
646841.01	4200280.37	1.57152	646941.01	4200280.37	1.37794
647041.01	4200280.37	1.21528	647141.01	4200280.37	1.07861
647241.01	4200280.37	0.96339	647341.01	4200280.37	0.86561
644341.01	4200380.37	0.39803	644441.01	4200380.37	0.43813
644541.01	4200380.37	0.48510	644641.01	4200380.37	0.54025
644741.01	4200380.37	0.60558	644841.01	4200380.37	0.68369
644941.01	4200380.37	0.77786	645041.01	4200380.37	0.89243
645141.01	4200380.37	1.03308	645241.01	4200380.37	1.20909
645341.01	4200380.37	1.43656	645441.01	4200380.37	1.75405
645541.01	4200380.37	2.19608	645641.01	4200380.37	2.79392
645741.01	4200380.37	3.36100	645841.01	4200380.37	3.77157
645941.01	4200380.37	4.27916	646041.01	4200380.37	4.67206
646141.01	4200380.37	4.62494	646241.01	4200380.37	4.26349
646341.01	4200380.37	3.76725	646441.01	4200380.37	3.21965
646541.01	4200380.37	2.71948	646641.01	4200380.37	2.29465
646741.01	4200380.37	1.94958	646841.01	4200380.37	1.67130
646941.01	4200380.37	1.44586	647041.01	4200380.37	1.26256

647141.01	4200380.37	1.11215	647241.01	4200380.37	0.98749
647341.01	4200380.37	0.88321	644341.01	4200480.37	0.42132
644441.01	4200480.37	0.46576	644541.01	4200480.37	0.51892
644641.01	4200480.37	0.58160	644741.01	4200480.37	0.65691
644841.01	4200480.37	0.74846	644941.01	4200480.37	0.86136
645041.01	4200480.37	1.00311	645141.01	4200480.37	1.18325
645241.01	4200480.37	1.41588	645341.01	4200480.37	1.72253
645441.01	4200480.37	2.12580	645541.01	4200480.37	2.75251
645641.01	4200480.37	3.72232	645741.01	4200480.37	4.90947
645841.01	4200480.37	5.83251	645941.01	4200480.37	6.92877
646041.01	4200480.37	7.41861	646141.01	4200480.37	6.83116
646241.01	4200480.37	5.77293	646341.01	4200480.37	4.67393
646441.01	4200480.37	3.74537	646541.01	4200480.37	3.02398
646641.01	4200480.37	2.47715	646741.01	4200480.37	2.06190

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.74255	646941.01	4200480.37	1.49240
647041.01	4200480.37	1.29388	647141.01	4200480.37	1.13330
647241.01	4200480.37	1.00185	647341.01	4200480.37	0.89288
644341.01	4200580.37	0.44652	644441.01	4200580.37	0.49580
644541.01	4200580.37	0.55413	644641.01	4200580.37	0.62427
644741.01	4200580.37	0.70977	644841.01	4200580.37	0.81557
644941.01	4200580.37	0.94878	645041.01	4200580.37	1.11991
645141.01	4200580.37	1.34460	645241.01	4200580.37	1.64217
645341.01	4200580.37	2.06049	645441.01	4200580.37	2.64381
645541.01	4200580.37	3.58860	645641.01	4200580.37	5.11261
645741.01	4200580.37	7.70600	645841.01	4200580.37	10.24311
645941.01	4200580.37	13.06293	646041.01	4200580.37	12.86281
646141.01	4200580.37	10.12602	646241.01	4200580.37	7.41884
646341.01	4200580.37	5.46081	646441.01	4200580.37	4.13200
646541.01	4200580.37	3.22620	646641.01	4200580.37	2.58840
646741.01	4200580.37	2.12482	646841.01	4200580.37	1.77851
646941.01	4200580.37	1.51308	647041.01	4200580.37	1.30509
647141.01	4200580.37	1.13896	647241.01	4200580.37	1.00405
647341.01	4200580.37	0.89290	644341.01	4200680.37	0.47190
644441.01	4200680.37	0.52561	644541.01	4200680.37	0.59011
644641.01	4200680.37	0.66837	644741.01	4200680.37	0.76520
644841.01	4200680.37	0.88626	644941.01	4200680.37	1.04106
645041.01	4200680.37	1.24405	645141.01	4200680.37	1.51825
645241.01	4200680.37	1.90233	645341.01	4200680.37	2.43936
645441.01	4200680.37	3.33725	645541.01	4200680.37	4.78908
645641.01	4200680.37	7.42959	645741.01	4200680.37	13.02464

645841.01	4200680.37	22.68133	645941.01	4200680.37	32.09670
646041.01	4200680.37	22.58095	646141.01	4200680.37	13.39993
646241.01	4200680.37	8.50913	646341.01	4200680.37	5.85859
646441.01	4200680.37	4.28737	646541.01	4200680.37	3.28478
646641.01	4200680.37	2.60855	646741.01	4200680.37	2.12667
646841.01	4200680.37	1.77203	646941.01	4200680.37	1.50297
647041.01	4200680.37	1.29365	647141.01	4200680.37	1.12733
647241.01	4200680.37	0.99279	647341.01	4200680.37	0.88228
644341.01	4200780.37	0.49405	644441.01	4200780.37	0.55245
644541.01	4200780.37	0.62285	644641.01	4200780.37	0.70872
644741.01	4200780.37	0.81543	644841.01	4200780.37	0.95062
644941.01	4200780.37	1.12605	645041.01	4200780.37	1.36117
645141.01	4200780.37	1.68465	645241.01	4200780.37	2.15164
645341.01	4200780.37	2.84080	645441.01	4200780.37	3.98712

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	6.11665	645641.01	4200780.37	11.00832
645741.01	4200780.37	23.98994	646041.01	4200780.37	27.62389
646141.01	4200780.37	13.87662	646241.01	4200780.37	8.41422
646341.01	4200780.37	5.69641	646441.01	4200780.37	4.14616
646541.01	4200780.37	3.17191	646641.01	4200780.37	2.51717
646741.01	4200780.37	2.05597	646841.01	4200780.37	1.71522
646941.01	4200780.37	1.45672	647041.01	4200780.37	1.25550
647141.01	4200780.37	1.09549	647241.01	4200780.37	0.96593
647341.01	4200780.37	0.85939	644341.01	4200880.37	0.50994
644441.01	4200880.37	0.57121	644541.01	4200880.37	0.64505
644641.01	4200880.37	0.73609	644741.01	4200880.37	0.84911
644841.01	4200880.37	0.99288	644941.01	4200880.37	1.18021
645041.01	4200880.37	1.43164	645141.01	4200880.37	1.78322
645241.01	4200880.37	2.29308	645341.01	4200880.37	3.08141
645441.01	4200880.37	4.40335	645541.01	4200880.37	6.83505
645641.01	4200880.37	11.98349	645741.01	4200880.37	27.76464
645841.01	4200880.37	31.08071	645941.01	4200880.37	24.57234
646041.01	4200880.37	16.29547	646141.01	4200880.37	10.13401
646241.01	4200880.37	6.77602	646341.01	4200880.37	4.84209
646441.01	4200880.37	3.63755	646541.01	4200880.37	2.84657
646641.01	4200880.37	2.29425	646741.01	4200880.37	1.89682
646841.01	4200880.37	1.59876	646941.01	4200880.37	1.36803
647041.01	4200880.37	1.18628	647141.01	4200880.37	1.04033
647241.01	4200880.37	0.92118	647341.01	4200880.37	0.82253
644341.01	4200980.37	0.51709	644441.01	4200980.37	0.57914
644541.01	4200980.37	0.65365	644641.01	4200980.37	0.74479

644741.01	4200980.37	0.85876	644841.01	4200980.37	1.00245
644941.01	4200980.37	1.18854	645041.01	4200980.37	1.43598
645141.01	4200980.37	1.77556	645241.01	4200980.37	2.26344
645341.01	4200980.37	2.98999	645441.01	4200980.37	4.14271
645541.01	4200980.37	6.10324	645641.01	4200980.37	9.46765
645741.01	4200980.37	13.71680	645841.01	4200980.37	11.42007
645941.01	4200980.37	8.49029	646041.01	4200980.37	6.46034
646141.01	4200980.37	5.50199	646241.01	4200980.37	4.38672
646341.01	4200980.37	3.51462	646441.01	4200980.37	2.84754
646541.01	4200980.37	2.33948	646641.01	4200980.37	1.95316
646741.01	4200980.37	1.65614	646841.01	4200980.37	1.42308
646941.01	4200980.37	1.23709	647041.01	4200980.37	1.08562
647141.01	4200980.37	0.96128	647241.01	4200980.37	0.85796
647341.01	4200980.37	0.77116	644341.01	4201080.37	0.51591

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.57647	644541.01	4201080.37	0.64934
644641.01	4201080.37	0.73778	644741.01	4201080.37	0.84721
644841.01	4201080.37	0.98392	644941.01	4201080.37	1.15853
645041.01	4201080.37	1.38722	645141.01	4201080.37	1.69293
645241.01	4201080.37	2.11259	645341.01	4201080.37	2.70820
645441.01	4201080.37	3.57639	645541.01	4201080.37	4.81654
645641.01	4201080.37	6.20497	645741.01	4201080.37	6.29262
645841.01	4201080.37	5.29320	645941.01	4201080.37	4.47276
646041.01	4201080.37	3.50219	646141.01	4201080.37	3.24387
646241.01	4201080.37	2.77474	646341.01	4201080.37	2.39745
646441.01	4201080.37	2.07737	646541.01	4201080.37	1.80420
646641.01	4201080.37	1.57155	646741.01	4201080.37	1.37736
646841.01	4201080.37	1.21520	646941.01	4201080.37	1.07791
647041.01	4201080.37	0.96227	647141.01	4201080.37	0.86383
647241.01	4201080.37	0.77977	647341.01	4201080.37	0.70755
644341.01	4201180.37	0.50846	644441.01	4201180.37	0.56643
644541.01	4201180.37	0.63592	644641.01	4201180.37	0.71967
644741.01	4201180.37	0.82144	644841.01	4201180.37	0.94707
644941.01	4201180.37	1.10451	645041.01	4201180.37	1.30503
645141.01	4201180.37	1.56659	645241.01	4201180.37	1.90996
645341.01	4201180.37	2.36434	645441.01	4201180.37	2.94094
645541.01	4201180.37	3.55215	645641.01	4201180.37	3.87938
645741.01	4201180.37	3.60131	645841.01	4201180.37	3.13054
645941.01	4201180.37	2.85941	646041.01	4201180.37	2.52245
646141.01	4201180.37	2.19907	646241.01	4201180.37	1.92544
646341.01	4201180.37	1.70662	646441.01	4201180.37	1.52650

646541.01	4201180.37	1.37186	646641.01	4201180.37	1.23586
646741.01	4201180.37	1.11535	646841.01	4201180.37	1.00930
646941.01	4201180.37	0.91487	647041.01	4201180.37	0.83161
647141.01	4201180.37	0.75817	647241.01	4201180.37	0.69357
647341.01	4201180.37	0.63650	644341.01	4201280.37	0.49698
644441.01	4201280.37	0.55169	644541.01	4201280.37	0.61665
644641.01	4201280.37	0.69409	644741.01	4201280.37	0.78674
644841.01	4201280.37	0.89927	644941.01	4201280.37	1.03750
645041.01	4201280.37	1.20922	645141.01	4201280.37	1.42407
645241.01	4201280.37	1.69243	645341.01	4201280.37	2.00759
645441.01	4201280.37	2.33070	645541.01	4201280.37	2.55575
645641.01	4201280.37	2.54556	645741.01	4201280.37	2.32372
645841.01	4201280.37	2.10710	645941.01	4201280.37	1.95577
646041.01	4201280.37	1.77234	646141.01	4201280.37	1.60624

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.43731	646341.01	4201280.37	1.29286
646441.01	4201280.37	1.17195	646541.01	4201280.37	1.07035
646641.01	4201280.37	0.97963	646741.01	4201280.37	0.90032
646841.01	4201280.37	0.82981	646941.01	4201280.37	0.76598
647041.01	4201280.37	0.70646	647141.01	4201280.37	0.65354
647241.01	4201280.37	0.60595	647341.01	4201280.37	0.56305
644341.01	4201380.37	0.48276	644441.01	4201380.37	0.53380
644541.01	4201380.37	0.59338	644641.01	4201380.37	0.66372
644741.01	4201380.37	0.74671	644841.01	4201380.37	0.84591
644941.01	4201380.37	0.96526	645041.01	4201380.37	1.10889
645141.01	4201380.37	1.27894	645241.01	4201380.37	1.47079
645341.01	4201380.37	1.66433	645441.01	4201380.37	1.81368
645541.01	4201380.37	1.86137	645641.01	4201380.37	1.78072
645741.01	4201380.37	1.63665	645841.01	4201380.37	1.52651
645941.01	4201380.37	1.41480	646041.01	4201380.37	1.31362
646141.01	4201380.37	1.22057	646241.01	4201380.37	1.12322
646341.01	4201380.37	1.01681	646441.01	4201380.37	0.92086
646541.01	4201380.37	0.84903	646641.01	4201380.37	0.78687
646741.01	4201380.37	0.73229	646841.01	4201380.37	0.68351
646941.01	4201380.37	0.63923	647041.01	4201380.37	0.59859
647141.01	4201380.37	0.56107	647241.01	4201380.37	0.52634
647341.01	4201380.37	0.49417	644341.01	4201480.37	0.46643
644441.01	4201480.37	0.51342	644541.01	4201480.37	0.56748
644641.01	4201480.37	0.63045	644741.01	4201480.37	0.70437
644841.01	4201480.37	0.79077	644941.01	4201480.37	0.89166
645041.01	4201480.37	1.00704	645141.01	4201480.37	1.13273

645241.01	4201480.37	1.25819	645341.01	4201480.37	1.36042
645441.01	4201480.37	1.41298	645541.01	4201480.37	1.39524
645641.01	4201480.37	1.31686	645741.01	4201480.37	1.22490
645841.01	4201480.37	1.15952	645941.01	4201480.37	1.09455
646041.01	4201480.37	1.02748	646141.01	4201480.37	0.96859
646241.01	4201480.37	0.90326	646341.01	4201480.37	0.82498
646441.01	4201480.37	0.75799	646541.01	4201480.37	0.70128
646641.01	4201480.37	0.65618	646741.01	4201480.37	0.61756
646841.01	4201480.37	0.57925	646941.01	4201480.37	0.54496
647041.01	4201480.37	0.51429	647141.01	4201480.37	0.48568
647241.01	4201480.37	0.45915	647341.01	4201480.37	0.43444
644341.01	4201580.37	0.44864	644441.01	4201580.37	0.49150
644541.01	4201580.37	0.54037	644641.01	4201580.37	0.59669
644741.01	4201580.37	0.66154	644841.01	4201580.37	0.73522

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.81729	645041.01	4201580.37	0.90467
645141.01	4201580.37	0.99080	645241.01	4201580.37	1.06345
645341.01	4201580.37	1.10927	645441.01	4201580.37	1.11634
645541.01	4201580.37	1.08054	645641.01	4201580.37	1.01749
645741.01	4201580.37	0.95639	645841.01	4201580.37	0.91510
645941.01	4201580.37	0.87647	646041.01	4201580.37	0.82124
646141.01	4201580.37	0.78951	646241.01	4201580.37	0.74056
646341.01	4201580.37	0.68780	646441.01	4201580.37	0.64213
646541.01	4201580.37	0.59612	646641.01	4201580.37	0.56216
646741.01	4201580.37	0.52890	646841.01	4201580.37	0.49808
646941.01	4201580.37	0.47099	647041.01	4201580.37	0.44910
647141.01	4201580.37	0.42601	647241.01	4201580.37	0.40392
647341.01	4201580.37	0.38296	644341.01	4201680.37	0.43013
644441.01	4201680.37	0.46911	644541.01	4201680.37	0.51306
644641.01	4201680.37	0.56302	644741.01	4201680.37	0.61855
644841.01	4201680.37	0.67913	644941.01	4201680.37	0.74283
645041.01	4201680.37	0.80447	645141.01	4201680.37	0.85790
645241.01	4201680.37	0.89574	645341.01	4201680.37	0.91022
645441.01	4201680.37	0.89724	645541.01	4201680.37	0.85253
645641.01	4201680.37	0.81400	645741.01	4201680.37	0.77210
645841.01	4201680.37	0.74458	645941.01	4201680.37	0.70528
646041.01	4201680.37	0.69330	646141.01	4201680.37	0.65754
646241.01	4201680.37	0.62244	646341.01	4201680.37	0.58725
646441.01	4201680.37	0.54864	646541.01	4201680.37	0.51548
646641.01	4201680.37	0.48682	646741.01	4201680.37	0.46292
646841.01	4201680.37	0.43765	646941.01	4201680.37	0.41578

647041.01	4201680.37	0.39360	647141.01	4201680.37	0.37557
647241.01	4201680.37	0.35799	647341.01	4201680.37	0.34174
644341.01	4201780.37	0.41169	644441.01	4201780.37	0.44678
644541.01	4201780.37	0.48606	644641.01	4201780.37	0.52901
644741.01	4201780.37	0.57532	644841.01	4201780.37	0.62287
644941.01	4201780.37	0.66895	645041.01	4201780.37	0.70974
645141.01	4201780.37	0.74013	645241.01	4201780.37	0.75555
645341.01	4201780.37	0.75054	645441.01	4201780.37	0.72938
645541.01	4201780.37	0.69209	645641.01	4201780.37	0.65458
645741.01	4201780.37	0.62528	645841.01	4201780.37	0.61773
645941.01	4201780.37	0.60017	646041.01	4201780.37	0.58077
646141.01	4201780.37	0.55734	646241.01	4201780.37	0.53148
646341.01	4201780.37	0.50503	646441.01	4201780.37	0.47898
646541.01	4201780.37	0.45377	646641.01	4201780.37	0.42980

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.40736	646841.01	4201780.37	0.38688
646941.01	4201780.37	0.36749	647041.01	4201780.37	0.34999
647141.01	4201780.37	0.33400	647241.01	4201780.37	0.31915
647341.01	4201780.37	0.30602	644341.01	4201880.37	0.39324
644441.01	4201880.37	0.42471	644541.01	4201880.37	0.45868
644641.01	4201880.37	0.49478	644741.01	4201880.37	0.53165
644841.01	4201880.37	0.56702	644941.01	4201880.37	0.59849
645041.01	4201880.37	0.62270	645141.01	4201880.37	0.63662
645241.01	4201880.37	0.63854	645341.01	4201880.37	0.62700
645441.01	4201880.37	0.61284	645541.01	4201880.37	0.58404
645641.01	4201880.37	0.55817	645741.01	4201880.37	0.53795
645841.01	4201880.37	0.52351	645941.01	4201880.37	0.51103
646041.01	4201880.37	0.49730	646141.01	4201880.37	0.47035
646241.01	4201880.37	0.45146	646341.01	4201880.37	0.44025
646441.01	4201880.37	0.41221	646541.01	4201880.37	0.40065
646641.01	4201880.37	0.38049	646741.01	4201880.37	0.36226
646841.01	4201880.37	0.34490	646941.01	4201880.37	0.32891
647041.01	4201880.37	0.31405	647141.01	4201880.37	0.30028
647241.01	4201880.37	0.28752	647341.01	4201880.37	0.27570
644341.01	4201980.37	0.37495	644441.01	4201980.37	0.40240
644541.01	4201980.37	0.43116	644641.01	4201980.37	0.46010
644741.01	4201980.37	0.48823	644841.01	4201980.37	0.51317
644941.01	4201980.37	0.53264	645041.01	4201980.37	0.54563
645141.01	4201980.37	0.55230	645241.01	4201980.37	0.54768
645341.01	4201980.37	0.53591	645441.01	4201980.37	0.51740
645541.01	4201980.37	0.49607	645641.01	4201980.37	0.47749

645741.01	4201980.37	0.45115	645841.01	4201980.37	0.44213
645941.01	4201980.37	0.44263	646041.01	4201980.37	0.42522
646141.01	4201980.37	0.41159	646241.01	4201980.37	0.39491
646341.01	4201980.37	0.38094	646441.01	4201980.37	0.36695
646541.01	4201980.37	0.35449	646641.01	4201980.37	0.34016
646741.01	4201980.37	0.32507	646841.01	4201980.37	0.31076
646941.01	4201980.37	0.29726	647041.01	4201980.37	0.28459
647141.01	4201980.37	0.27274	647241.01	4201980.37	0.26142
647341.01	4201980.37	0.25110	644341.01	4202080.37	0.35643
644441.01	4202080.37	0.37969	644541.01	4202080.37	0.40343
644641.01	4202080.37	0.42576	644741.01	4202080.37	0.44583
644841.01	4202080.37	0.46207	644941.01	4202080.37	0.47432
645041.01	4202080.37	0.47943	645141.01	4202080.37	0.47957
645241.01	4202080.37	0.47321	645341.01	4202080.37	0.46096

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.44569	645541.01	4202080.37	0.41653
645641.01	4202080.37	0.40014	645741.01	4202080.37	0.39084
645841.01	4202080.37	0.38559	645941.01	4202080.37	0.38687
646041.01	4202080.37	0.37272	646141.01	4202080.37	0.36020
646241.01	4202080.37	0.34884	646341.01	4202080.37	0.33666
646441.01	4202080.37	0.32437	646541.01	4202080.37	0.31195
646641.01	4202080.37	0.30196	646741.01	4202080.37	0.29256
646841.01	4202080.37	0.28118	646941.01	4202080.37	0.26978
647041.01	4202080.37	0.25889	647141.01	4202080.37	0.24872
647241.01	4202080.37	0.23913	647341.01	4202080.37	0.23011
644341.01	4202180.37	0.33810	644441.01	4202180.37	0.35737
644541.01	4202180.37	0.37522	644641.01	4202180.37	0.39134
644741.01	4202180.37	0.40437	644841.01	4202180.37	0.41489
644941.01	4202180.37	0.42133	645041.01	4202180.37	0.42331
645141.01	4202180.37	0.42044	645241.01	4202180.37	0.41338
645341.01	4202180.37	0.39508	645441.01	4202180.37	0.37863
645541.01	4202180.37	0.35670	645641.01	4202180.37	0.34576
645741.01	4202180.37	0.34289	645841.01	4202180.37	0.33944
645941.01	4202180.37	0.33412	646041.01	4202180.37	0.32762
646141.01	4202180.37	0.31981	646241.01	4202180.37	0.30958
646341.01	4202180.37	0.30366	646441.01	4202180.37	0.29694
646541.01	4202180.37	0.28634	646641.01	4202180.37	0.27574
646741.01	4202180.37	0.26073	646841.01	4202180.37	0.25098
646941.01	4202180.37	0.24314	647041.01	4202180.37	0.23675
647141.01	4202180.37	0.22797	647241.01	4202180.37	0.21966
647341.01	4202180.37	0.21178	644341.01	4202280.37	0.31813

644441.01	4202280.37	0.33265	644541.01	4202280.37	0.34639
644641.01	4202280.37	0.35815	644741.01	4202280.37	0.36756
644841.01	4202280.37	0.37388	644941.01	4202280.37	0.37654
645041.01	4202280.37	0.37535	645141.01	4202280.37	0.37076
645241.01	4202280.37	0.35301	645341.01	4202280.37	0.33855
645441.01	4202280.37	0.32224	645541.01	4202280.37	0.30867
645641.01	4202280.37	0.30199	645741.01	4202280.37	0.29677
645841.01	4202280.37	0.29343	645941.01	4202280.37	0.29019
646041.01	4202280.37	0.28906	646141.01	4202280.37	0.28836
646241.01	4202280.37	0.28522	646341.01	4202280.37	0.27680
646441.01	4202280.37	0.26806	646541.01	4202280.37	0.25942
646641.01	4202280.37	0.25075	646741.01	4202280.37	0.23995
646841.01	4202280.37	0.23188	646941.01	4202280.37	0.22547
647041.01	4202280.37	0.21753	647141.01	4202280.37	0.20989

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.20264	647341.01	4202280.37	0.19575
645946.01	4200731.54	53.94726	645933.67	4200896.54	20.13365
645889.89	4200889.80	24.71001	645847.24	4200866.23	28.46453
645697.97	4200718.07	12.16239	645704.70	4200712.46	12.30285

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	0.37602	646506.52	4202111.83	0.31164
645939.20	4200707.16	39.04805	644341.01	4199280.37	0.20488
644441.01	4199280.37	0.21704	644541.01	4199280.37	0.23090
644641.01	4199280.37	0.24680	644741.01	4199280.37	0.26501
644841.01	4199280.37	0.28564	644941.01	4199280.37	0.30854
645041.01	4199280.37	0.33313	645141.01	4199280.37	0.35835
645241.01	4199280.37	0.38263	645341.01	4199280.37	0.40408
645441.01	4199280.37	0.42099	645541.01	4199280.37	0.43262
645641.01	4199280.37	0.43992	645741.01	4199280.37	0.44567
645841.01	4199280.37	0.45346	645941.01	4199280.37	0.46595
646041.01	4199280.37	0.48337	646141.01	4199280.37	0.50339
646241.01	4199280.37	0.52248	646341.01	4199280.37	0.53751
646441.01	4199280.37	0.54673	646541.01	4199280.37	0.54976
646641.01	4199280.37	0.54741	646741.01	4199280.37	0.54106
646841.01	4199280.37	0.53281	646941.01	4199280.37	0.52188
647041.01	4199280.37	0.51175	647141.01	4199280.37	0.49998
647241.01	4199280.37	0.48728	647341.01	4199280.37	0.47347
644341.01	4199380.37	0.21614	644441.01	4199380.37	0.22904
644541.01	4199380.37	0.24371	644641.01	4199380.37	0.26058
644741.01	4199380.37	0.28009	644841.01	4199380.37	0.30255
644941.01	4199380.37	0.32803	645041.01	4199380.37	0.35613
645141.01	4199380.37	0.38583	645241.01	4199380.37	0.41538
645341.01	4199380.37	0.44243	645441.01	4199380.37	0.46453
645541.01	4199380.37	0.48023	645641.01	4199380.37	0.49017
645741.01	4199380.37	0.49759	645841.01	4199380.37	0.50711
645941.01	4199380.37	0.52228	646041.01	4199380.37	0.54335

646141.01	4199380.37	0.56708	646241.01	4199380.37	0.58883
646341.01	4199380.37	0.60482	646441.01	4199380.37	0.61321
646541.01	4199380.37	0.61412	646641.01	4199380.37	0.60899
646741.01	4199380.37	0.59975	646841.01	4199380.37	0.58806
646941.01	4199380.37	0.57488	647041.01	4199380.37	0.56204
647141.01	4199380.37	0.54692	647241.01	4199380.37	0.53053
647341.01	4199380.37	0.51294	644341.01	4199480.37	0.22869
644441.01	4199480.37	0.24254	644541.01	4199480.37	0.25818
644641.01	4199480.37	0.27613	644741.01	4199480.37	0.29698
644841.01	4199480.37	0.32128	644941.01	4199480.37	0.34942
645041.01	4199480.37	0.38130	645141.01	4199480.37	0.41607
645241.01	4199480.37	0.45192	645341.01	4199480.37	0.48601
645441.01	4199480.37	0.51502	645541.01	4199480.37	0.53638
645641.01	4199480.37	0.55012	645741.01	4199480.37	0.55989

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	0.57172	645941.01	4199480.37	0.59042
646041.01	4199480.37	0.61622	646141.01	4199480.37	0.64457
646241.01	4199480.37	0.66930	646341.01	4199480.37	0.68585
646441.01	4199480.37	0.69258	646541.01	4199480.37	0.69038
646641.01	4199480.37	0.68158	646741.01	4199480.37	0.66863
646841.01	4199480.37	0.65413	646941.01	4199480.37	0.63603
647041.01	4199480.37	0.61859	647141.01	4199480.37	0.59846
647241.01	4199480.37	0.57731	647341.01	4199480.37	0.55444
644341.01	4199580.37	0.24263	644441.01	4199580.37	0.25770
644541.01	4199580.37	0.27459	644641.01	4199580.37	0.29383
644741.01	4199580.37	0.31615	644841.01	4199580.37	0.34235
644941.01	4199580.37	0.37320	645041.01	4199580.37	0.40904
645141.01	4199580.37	0.44946	645241.01	4199580.37	0.49274
645341.01	4199580.37	0.53567	645441.01	4199580.37	0.57385
645541.01	4199580.37	0.60316	645641.01	4199580.37	0.62245
645741.01	4199580.37	0.63564	645841.01	4199580.37	0.65061
645941.01	4199580.37	0.67405	646041.01	4199580.37	0.70610
646141.01	4199580.37	0.74022	646241.01	4199580.37	0.76815
646341.01	4199580.37	0.78454	646441.01	4199580.37	0.78833
646541.01	4199580.37	0.78170	646641.01	4199580.37	0.76800
646741.01	4199580.37	0.75006	646841.01	4199580.37	0.73091
646941.01	4199580.37	0.70643	647041.01	4199580.37	0.68285
647141.01	4199580.37	0.65571	647241.01	4199580.37	0.62707
647341.01	4199580.37	0.59753	644341.01	4199680.37	0.25795
644441.01	4199680.37	0.27463	644541.01	4199680.37	0.29316
644641.01	4199680.37	0.31408	644741.01	4199680.37	0.33817

644841.01	4199680.37	0.36645	644941.01	4199680.37	0.40007
645041.01	4199680.37	0.44002	645141.01	4199680.37	0.48655
645241.01	4199680.37	0.53845	645341.01	4199680.37	0.59236
645441.01	4199680.37	0.64273	645541.01	4199680.37	0.68331
645641.01	4199680.37	0.71083	645741.01	4199680.37	0.72911
645841.01	4199680.37	0.74850	645941.01	4199680.37	0.77844
646041.01	4199680.37	0.81890	646141.01	4199680.37	0.86026
646241.01	4199680.37	0.89138	646341.01	4199680.37	0.90629
646441.01	4199680.37	0.90526	646541.01	4199680.37	0.89230
646641.01	4199680.37	0.87186	646741.01	4199680.37	0.84682
646841.01	4199680.37	0.82017	646941.01	4199680.37	0.78685
647041.01	4199680.37	0.75425	647141.01	4199680.37	0.71803
647241.01	4199680.37	0.68075	647341.01	4199680.37	0.64316
644341.01	4199780.37	0.27462	644441.01	4199780.37	0.29333

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	0.31403	644641.01	4199780.37	0.33721
644741.01	4199780.37	0.36363	644841.01	4199780.37	0.39441
644941.01	4199780.37	0.43105	645041.01	4199780.37	0.47524
645141.01	4199780.37	0.52825	645241.01	4199780.37	0.58988
645341.01	4199780.37	0.65721	645441.01	4199780.37	0.72372
645541.01	4199780.37	0.78036	645641.01	4199780.37	0.82039
645741.01	4199780.37	0.84647	645841.01	4199780.37	0.87224
645941.01	4199780.37	0.91137	646041.01	4199780.37	0.96340
646141.01	4199780.37	1.01383	646241.01	4199780.37	1.04760
646341.01	4199780.37	1.05872	646441.01	4199780.37	1.05002
646541.01	4199780.37	1.02790	646641.01	4199780.37	0.99762
646741.01	4199780.37	0.96192	646841.01	4199780.37	0.92148
646941.01	4199780.37	0.87771	647041.01	4199780.37	0.83231
647141.01	4199780.37	0.78402	647241.01	4199780.37	0.73579
647341.01	4199780.37	0.68875	644341.01	4199880.37	0.29252
644441.01	4199880.37	0.31372	644541.01	4199880.37	0.33720
644641.01	4199880.37	0.36340	644741.01	4199880.37	0.39300
644841.01	4199880.37	0.42711	644941.01	4199880.37	0.46741
645041.01	4199880.37	0.51619	645141.01	4199880.37	0.57598
645241.01	4199880.37	0.64830	645341.01	4199880.37	0.73166
645441.01	4199880.37	0.81932	645541.01	4199880.37	0.89901
645641.01	4199880.37	0.95836	645741.01	4199880.37	0.99687
645841.01	4199880.37	1.03220	645941.01	4199880.37	1.08474
646041.01	4199880.37	1.15308	646141.01	4199880.37	1.21473
646241.01	4199880.37	1.24947	646341.01	4199880.37	1.25283
646441.01	4199880.37	1.23196	646541.01	4199880.37	1.19592

646641.01	4199880.37	1.15162	646741.01	4199880.37	1.09845
646841.01	4199880.37	1.03904	646941.01	4199880.37	0.97872
647041.01	4199880.37	0.91480	647141.01	4199880.37	0.85151
647241.01	4199880.37	0.79050	647341.01	4199880.37	0.73302
644341.01	4199980.37	0.31145	644441.01	4199980.37	0.33562
644541.01	4199980.37	0.36254	644641.01	4199980.37	0.39264
644741.01	4199980.37	0.42656	644841.01	4199980.37	0.46531
644941.01	4199980.37	0.51054	645041.01	4199980.37	0.56489
645141.01	4199980.37	0.63202	645241.01	4199980.37	0.71582
645341.01	4199980.37	0.81772	645441.01	4199980.37	0.93260
645541.01	4199980.37	1.04537	645641.01	4199980.37	1.13547
645741.01	4199980.37	1.19566	645841.01	4199980.37	1.24458
645941.01	4199980.37	1.31751	646041.01	4199980.37	1.40948
646141.01	4199980.37	1.48450	646241.01	4199980.37	1.51617

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	1.50481	646441.01	4199980.37	1.46424
646541.01	4199980.37	1.40565	646641.01	4199980.37	1.33439
646741.01	4199980.37	1.25517	646841.01	4199980.37	1.17156
646941.01	4199980.37	1.08450	647041.01	4199980.37	0.99917
647141.01	4199980.37	0.91819	647241.01	4199980.37	0.84303
647341.01	4199980.37	0.77433	644341.01	4200080.37	0.33119
644441.01	4200080.37	0.35876	644541.01	4200080.37	0.38974
644641.01	4200080.37	0.42466	644741.01	4200080.37	0.46422
644841.01	4200080.37	0.50937	644941.01	4200080.37	0.56165
645041.01	4200080.37	0.62366	645141.01	4200080.37	0.69972
645241.01	4200080.37	0.79605	645341.01	4200080.37	0.91870
645441.01	4200080.37	1.06757	645541.01	4200080.37	1.22746
645641.01	4200080.37	1.36648	645741.01	4200080.37	1.46298
645841.01	4200080.37	1.54026	645941.01	4200080.37	1.64917
646041.01	4200080.37	1.77943	646141.01	4200080.37	1.86000
646241.01	4200080.37	1.87909	646341.01	4200080.37	1.83930
646441.01	4200080.37	1.76326	646541.01	4200080.37	1.67004
646641.01	4200080.37	1.55577	646741.01	4200080.37	1.43340
646841.01	4200080.37	1.30998	646941.01	4200080.37	1.19126
647041.01	4200080.37	1.08093	647141.01	4200080.37	0.98109
647241.01	4200080.37	0.89138	647341.01	4200080.37	0.81178
644341.01	4200180.37	0.35146	644441.01	4200180.37	0.38278
644541.01	4200180.37	0.41838	644641.01	4200180.37	0.45900
644741.01	4200180.37	0.50552	644841.01	4200180.37	0.55909
644941.01	4200180.37	0.62126	645041.01	4200180.37	0.69451
645141.01	4200180.37	0.78315	645241.01	4200180.37	0.89478

645341.01	4200180.37	1.04060	645441.01	4200180.37	1.23018
645541.01	4200180.37	1.45578	645641.01	4200180.37	1.67507
645741.01	4200180.37	1.83720	645841.01	4200180.37	1.96029
645941.01	4200180.37	2.12556	646041.01	4200180.37	2.31014
646141.01	4200180.37	2.40810	646241.01	4200180.37	2.39030
646341.01	4200180.37	2.28892	646441.01	4200180.37	2.15606
646541.01	4200180.37	1.98533	646641.01	4200180.37	1.80165
646741.01	4200180.37	1.61901	646841.01	4200180.37	1.44749
646941.01	4200180.37	1.29246	647041.01	4200180.37	1.15565
647141.01	4200180.37	1.03670	647241.01	4200180.37	0.93326
647341.01	4200180.37	0.84373	644341.01	4200280.37	0.37213
644441.01	4200280.37	0.40741	644541.01	4200280.37	0.44803
644641.01	4200280.37	0.49503	644741.01	4200280.37	0.54970
644841.01	4200280.37	0.61364	644941.01	4200280.37	0.68888

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	0.77820	645141.01	4200280.37	0.88588
645241.01	4200280.37	1.01969	645341.01	4200280.37	1.19411
645441.01	4200280.37	1.43123	645541.01	4200280.37	1.74478
645641.01	4200280.37	2.09567	645741.01	4200280.37	2.38779
645841.01	4200280.37	2.59327	645941.01	4200280.37	2.86154
646041.01	4200280.37	3.13410	646141.01	4200280.37	3.22210
646241.01	4200280.37	3.10661	646341.01	4200280.37	2.90860
646441.01	4200280.37	2.63933	646541.01	4200280.37	2.34491
646641.01	4200280.37	2.05766	646741.01	4200280.37	1.79866
646841.01	4200280.37	1.57369	646941.01	4200280.37	1.38152
647041.01	4200280.37	1.21936	647141.01	4200280.37	1.08273
647241.01	4200280.37	0.96735	647341.01	4200280.37	0.86930
644341.01	4200380.37	0.39342	644441.01	4200380.37	0.43273
644541.01	4200380.37	0.47869	644641.01	4200380.37	0.53255
644741.01	4200380.37	0.59622	644841.01	4200380.37	0.67215
644941.01	4200380.37	0.76343	645041.01	4200380.37	0.87412
645141.01	4200380.37	1.00955	645241.01	4200380.37	1.17847
645341.01	4200380.37	1.39617	645441.01	4200380.37	1.69893
645541.01	4200380.37	2.11810	645641.01	4200380.37	2.68236
645741.01	4200380.37	3.22155	645841.01	4200380.37	3.60731
645941.01	4200380.37	4.07486	646041.01	4200380.37	4.47485
646141.01	4200380.37	4.47464	646241.01	4200380.37	4.16459
646341.01	4200380.37	3.71314	646441.01	4200380.37	3.19695
646541.01	4200380.37	2.71434	646641.01	4200380.37	2.29781
646741.01	4200380.37	1.95604	646841.01	4200380.37	1.67868
646941.01	4200380.37	1.45311	647041.01	4200380.37	1.26928

647141.01	4200380.37	1.11822	647241.01	4200380.37	0.99292
647341.01	4200380.37	0.88804	644341.01	4200480.37	0.41631
644441.01	4200480.37	0.45986	644541.01	4200480.37	0.51188
644641.01	4200480.37	0.57310	644741.01	4200480.37	0.64652
644841.01	4200480.37	0.73554	644941.01	4200480.37	0.84499
645041.01	4200480.37	0.98189	645141.01	4200480.37	1.15509
645241.01	4200480.37	1.37761	645341.01	4200480.37	1.66932
645441.01	4200480.37	2.05113	645541.01	4200480.37	2.64089
645641.01	4200480.37	3.54461	645741.01	4200480.37	4.64980
645841.01	4200480.37	5.50592	645941.01	4200480.37	6.50638
646041.01	4200480.37	7.06168	646141.01	4200480.37	6.61506
646241.01	4200480.37	5.67638	646341.01	4200480.37	4.64743
646441.01	4200480.37	3.74906	646541.01	4200480.37	3.03762
646641.01	4200480.37	2.49259	646741.01	4200480.37	2.07635

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	1.75526	646941.01	4200480.37	1.50334
647041.01	4200480.37	1.30324	647141.01	4200480.37	1.14132
647241.01	4200480.37	1.00875	647341.01	4200480.37	0.89885
644341.01	4200580.37	0.44109	644441.01	4200580.37	0.48936
644541.01	4200580.37	0.54642	644641.01	4200580.37	0.61492
644741.01	4200580.37	0.69824	644841.01	4200580.37	0.80110
644941.01	4200580.37	0.93024	645041.01	4200580.37	1.09553
645141.01	4200580.37	1.31156	645241.01	4200580.37	1.59599
645341.01	4200580.37	1.99281	645441.01	4200580.37	2.54111
645541.01	4200580.37	3.41989	645641.01	4200580.37	4.82098
645741.01	4200580.37	7.16859	645841.01	4200580.37	9.45991
645941.01	4200580.37	12.01104	646041.01	4200580.37	12.23176
646141.01	4200580.37	9.93090	646241.01	4200580.37	7.40958
646341.01	4200580.37	5.49812	646441.01	4200580.37	4.17278
646541.01	4200580.37	3.26095	646641.01	4200580.37	2.61638
646741.01	4200580.37	2.14715	646841.01	4200580.37	1.79644
646941.01	4200580.37	1.52764	647041.01	4200580.37	1.31705
647141.01	4200580.37	1.14890	647241.01	4200580.37	1.01240
647341.01	4200580.37	0.89999	644341.01	4200680.37	0.46625
644441.01	4200680.37	0.51888	644541.01	4200680.37	0.58198
644641.01	4200680.37	0.65841	644741.01	4200680.37	0.75279
644841.01	4200680.37	0.87049	644941.01	4200680.37	1.02054
645041.01	4200680.37	1.21659	645141.01	4200680.37	1.48019
645241.01	4200680.37	1.84721	645341.01	4200680.37	2.35642
645441.01	4200680.37	3.19817	645541.01	4200680.37	4.53706
645641.01	4200680.37	6.91949	645741.01	4200680.37	11.83780

645841.01	4200680.37	20.12047	645941.01	4200680.37	28.90190
646041.01	4200680.37	22.17097	646141.01	4200680.37	13.57196
646241.01	4200680.37	8.67299	646341.01	4200680.37	5.97212
646441.01	4200680.37	4.36498	646541.01	4200680.37	3.33937
646641.01	4200680.37	2.64830	646741.01	4200680.37	2.15647
646841.01	4200680.37	1.79497	646941.01	4200680.37	1.52102
647041.01	4200680.37	1.30813	647141.01	4200680.37	1.13914
647241.01	4200680.37	1.00257	647341.01	4200680.37	0.89047
644341.01	4200780.37	0.48860	644441.01	4200780.37	0.54593
644541.01	4200780.37	0.61495	644641.01	4200780.37	0.69900
644741.01	4200780.37	0.80326	644841.01	4200780.37	0.93505
644941.01	4200780.37	1.10561	645041.01	4200780.37	1.33343
645141.01	4200780.37	1.64553	645241.01	4200780.37	2.09358
645341.01	4200780.37	2.74988	645441.01	4200780.37	3.82992

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	5.80305	645641.01	4200780.37	10.20316
645741.01	4200780.37	21.38092	646041.01	4200780.37	29.36035
646141.01	4200780.37	14.55051	646241.01	4200780.37	8.73743
646341.01	4200780.37	5.87580	646441.01	4200780.37	4.25638
646541.01	4200780.37	3.24470	646641.01	4200780.37	2.56792
646741.01	4200780.37	2.09292	646841.01	4200780.37	1.74300
646941.01	4200780.37	1.47818	647041.01	4200780.37	1.27247
647141.01	4200780.37	1.10916	647241.01	4200780.37	0.97712
647341.01	4200780.37	0.86868	644341.01	4200880.37	0.50511
644441.01	4200880.37	0.56547	644541.01	4200880.37	0.63813
644641.01	4200880.37	0.72764	644741.01	4200880.37	0.83861
644841.01	4200880.37	0.97958	644941.01	4200880.37	1.16295
645041.01	4200880.37	1.40858	645141.01	4200880.37	1.75124
645241.01	4200880.37	2.24675	645341.01	4200880.37	3.01030
645441.01	4200880.37	4.28562	645541.01	4200880.37	6.62286
645641.01	4200880.37	11.57065	645741.01	4200880.37	27.04907
645841.01	4200880.37	32.81245	645941.01	4200880.37	29.16043
646041.01	4200880.37	18.46969	646141.01	4200880.37	10.99198
646241.01	4200880.37	7.18184	646341.01	4200880.37	5.06324
646441.01	4200880.37	3.77074	646541.01	4200880.37	2.93322
646641.01	4200880.37	2.35382	646741.01	4200880.37	1.93970
646841.01	4200880.37	1.63071	646941.01	4200880.37	1.39251
647041.01	4200880.37	1.20548	647141.01	4200880.37	1.05569
647241.01	4200880.37	0.93368	647341.01	4200880.37	0.83285
644341.01	4200980.37	0.51311	644441.01	4200980.37	0.57447
644541.01	4200980.37	0.64810	644641.01	4200980.37	0.73812

644741.01	4200980.37	0.85062	644841.01	4200980.37	0.99238
644941.01	4200980.37	1.17587	645041.01	4200980.37	1.41973
645141.01	4200980.37	1.75432	645241.01	4200980.37	2.23509
645341.01	4200980.37	2.95187	645441.01	4200980.37	4.09233
645541.01	4200980.37	6.04653	645641.01	4200980.37	9.50470
645741.01	4200980.37	14.70150	645841.01	4200980.37	12.77991
645941.01	4200980.37	9.33559	646041.01	4200980.37	7.04032
646141.01	4200980.37	5.94477	646241.01	4200980.37	4.67624
646341.01	4200980.37	3.70238	646441.01	4200980.37	2.97222
646541.01	4200980.37	2.42502	646641.01	4200980.37	2.01394
646741.01	4200980.37	1.70077	646841.01	4200980.37	1.45676
646941.01	4200980.37	1.26311	647041.01	4200980.37	1.10613
647141.01	4200980.37	0.97774	647241.01	4200980.37	0.87137
647341.01	4200980.37	0.78224	644341.01	4201080.37	0.51275

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	0.57281	644541.01	4201080.37	0.64506
644641.01	4201080.37	0.73274	644741.01	4201080.37	0.84121
644841.01	4201080.37	0.97674	644941.01	4201080.37	1.14992
645041.01	4201080.37	1.37688	645141.01	4201080.37	1.68066
645241.01	4201080.37	2.09848	645341.01	4201080.37	2.69354
645441.01	4201080.37	3.56834	645541.01	4201080.37	4.85143
645641.01	4201080.37	6.41644	645741.01	4201080.37	6.77561
645841.01	4201080.37	5.69716	645941.01	4201080.37	4.78079
646041.01	4201080.37	3.71742	646141.01	4201080.37	3.43157
646241.01	4201080.37	2.92300	646341.01	4201080.37	2.51340
646441.01	4201080.37	2.16649	646541.01	4201080.37	1.87226
646641.01	4201080.37	1.62363	646741.01	4201080.37	1.41767
646841.01	4201080.37	1.24682	646941.01	4201080.37	1.10302
647041.01	4201080.37	0.98248	647141.01	4201080.37	0.88029
647241.01	4201080.37	0.79334	647341.01	4201080.37	0.71886
644341.01	4201180.37	0.50596	644441.01	4201180.37	0.56357
644541.01	4201180.37	0.63264	644641.01	4201180.37	0.71591
644741.01	4201180.37	0.81714	644841.01	4201180.37	0.94220
644941.01	4201180.37	1.09909	645041.01	4201180.37	1.29917
645141.01	4201180.37	1.56065	645241.01	4201180.37	1.90517
645341.01	4201180.37	2.36513	645441.01	4201180.37	2.96185
645541.01	4201180.37	3.62896	645641.01	4201180.37	4.05350
645741.01	4201180.37	3.82137	645841.01	4201180.37	3.30131
645941.01	4201180.37	3.00686	646041.01	4201180.37	2.64598
646141.01	4201180.37	2.29836	646241.01	4201180.37	2.00633
646341.01	4201180.37	1.77406	646441.01	4201180.37	1.58305

646541.01	4201180.37	1.41901	646641.01	4201180.37	1.27489
646741.01	4201180.37	1.14754	646841.01	4201180.37	1.03587
646941.01	4201180.37	0.93684	647041.01	4201180.37	0.84987
647141.01	4201180.37	0.77345	647241.01	4201180.37	0.70644
647341.01	4201180.37	0.64739	644341.01	4201280.37	0.49498
644441.01	4201280.37	0.54946	644541.01	4201280.37	0.61419
644641.01	4201280.37	0.69140	644741.01	4201280.37	0.78385
644841.01	4201280.37	0.89624	644941.01	4201280.37	1.03447
645041.01	4201280.37	1.20652	645141.01	4201280.37	1.42259
645241.01	4201280.37	1.69484	645341.01	4201280.37	2.02059
645441.01	4201280.37	2.36723	645541.01	4201280.37	2.63086
645641.01	4201280.37	2.65634	645741.01	4201280.37	2.43473
645841.01	4201280.37	2.19729	645941.01	4201280.37	2.03557
646041.01	4201280.37	1.84178	646141.01	4201280.37	1.66603

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	1.48739	646341.01	4201280.37	1.33533
646441.01	4201280.37	1.20854	646541.01	4201280.37	1.10217
646641.01	4201280.37	1.00728	646741.01	4201280.37	0.92429
646841.01	4201280.37	0.85054	646941.01	4201280.37	0.78385
647041.01	4201280.37	0.72189	647141.01	4201280.37	0.66686
647241.01	4201280.37	0.61748	647341.01	4201280.37	0.57304
644341.01	4201380.37	0.48121	644441.01	4201380.37	0.53215
644541.01	4201380.37	0.59164	644641.01	4201380.37	0.66194
644741.01	4201380.37	0.74494	644841.01	4201380.37	0.84425
644941.01	4201380.37	0.96397	645041.01	4201380.37	1.10864
645141.01	4201380.37	1.28138	645241.01	4201380.37	1.47935
645341.01	4201380.37	1.68469	645441.01	4201380.37	1.85216
645541.01	4201380.37	1.91969	645641.01	4201380.37	1.84933
645741.01	4201380.37	1.69957	645841.01	4201380.37	1.57963
645941.01	4201380.37	1.46209	646041.01	4201380.37	1.35671
646141.01	4201380.37	1.25883	646241.01	4201380.37	1.15682
646341.01	4201380.37	1.04556	646441.01	4201380.37	0.94563
646541.01	4201380.37	0.87091	646641.01	4201380.37	0.80637
646741.01	4201380.37	0.74974	646841.01	4201380.37	0.69911
646941.01	4201380.37	0.65315	647041.01	4201380.37	0.61098
647141.01	4201380.37	0.57208	647241.01	4201380.37	0.53610
647341.01	4201380.37	0.50283	644341.01	4201480.37	0.46530
644441.01	4201480.37	0.51227	644541.01	4201480.37	0.56634
644641.01	4201480.37	0.62937	644741.01	4201480.37	0.70342
644841.01	4201480.37	0.79017	644941.01	4201480.37	0.89189
645041.01	4201480.37	1.00917	645141.01	4201480.37	1.13868

645241.01	4201480.37	1.27079	645341.01	4201480.37	1.38267
645441.01	4201480.37	1.44636	645541.01	4201480.37	1.43735
645641.01	4201480.37	1.36077	645741.01	4201480.37	1.26396
645841.01	4201480.37	1.19339	645941.01	4201480.37	1.12551
646041.01	4201480.37	1.05623	646141.01	4201480.37	0.99485
646241.01	4201480.37	0.92686	646341.01	4201480.37	0.84551
646441.01	4201480.37	0.77598	646541.01	4201480.37	0.71723
646641.01	4201480.37	0.67055	646741.01	4201480.37	0.63062
646841.01	4201480.37	0.59110	646941.01	4201480.37	0.55573
647041.01	4201480.37	0.52408	647141.01	4201480.37	0.49457
647241.01	4201480.37	0.46721	647341.01	4201480.37	0.44172
644341.01	4201580.37	0.44786	644441.01	4201580.37	0.49074
644541.01	4201580.37	0.53967	644641.01	4201580.37	0.59613
644741.01	4201580.37	0.66128	644841.01	4201580.37	0.73564

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	0.81908	645041.01	4201580.37	0.90898
645141.01	4201580.37	0.99919	645241.01	4201580.37	1.07749
645341.01	4201580.37	1.12991	645441.01	4201580.37	1.14306
645541.01	4201580.37	1.11065	645641.01	4201580.37	1.04687
645741.01	4201580.37	0.98230	645841.01	4201580.37	0.93807
645941.01	4201580.37	0.89792	646041.01	4201580.37	0.84120
646141.01	4201580.37	0.80831	646241.01	4201580.37	0.75762
646341.01	4201580.37	0.70308	646441.01	4201580.37	0.65581
646541.01	4201580.37	0.60831	646641.01	4201580.37	0.57323
646741.01	4201580.37	0.53896	646841.01	4201580.37	0.50726
646941.01	4201580.37	0.47942	647041.01	4201580.37	0.45689
647141.01	4201580.37	0.43317	647241.01	4201580.37	0.41050
647341.01	4201580.37	0.38900	644341.01	4201680.37	0.42961
644441.01	4201680.37	0.46865	644541.01	4201680.37	0.51272
644641.01	4201680.37	0.56294	644741.01	4201680.37	0.61902
644841.01	4201680.37	0.68062	644941.01	4201680.37	0.74607
645041.01	4201680.37	0.81036	645141.01	4201680.37	0.86736
645241.01	4201680.37	0.90934	645341.01	4201680.37	0.92789
645441.01	4201680.37	0.91795	645541.01	4201680.37	0.87433
645641.01	4201680.37	0.83452	645741.01	4201680.37	0.79024
645841.01	4201680.37	0.76096	645941.01	4201680.37	0.72043
646041.01	4201680.37	0.70821	646141.01	4201680.37	0.67146
646241.01	4201680.37	0.63529	646341.01	4201680.37	0.59898
646441.01	4201680.37	0.55924	646541.01	4201680.37	0.52507
646641.01	4201680.37	0.49556	646741.01	4201680.37	0.47094
646841.01	4201680.37	0.44500	646941.01	4201680.37	0.42256

647041.01	4201680.37	0.39983	647141.01	4201680.37	0.38137
647241.01	4201680.37	0.36339	647341.01	4201680.37	0.34675
644341.01	4201780.37	0.41138	644441.01	4201780.37	0.44658
644541.01	4201780.37	0.48609	644641.01	4201780.37	0.52948
644741.01	4201780.37	0.57656	644841.01	4201780.37	0.62537
644941.01	4201780.37	0.67327	645041.01	4201780.37	0.71643
645141.01	4201780.37	0.74956	645241.01	4201780.37	0.76777
645341.01	4201780.37	0.76520	645441.01	4201780.37	0.74543
645541.01	4201780.37	0.70815	645641.01	4201780.37	0.66933
645741.01	4201780.37	0.63830	645841.01	4201780.37	0.62978
645941.01	4201780.37	0.61166	646041.01	4201780.37	0.59189
646141.01	4201780.37	0.56794	646241.01	4201780.37	0.54140
646341.01	4201780.37	0.51420	646441.01	4201780.37	0.48741
646541.01	4201780.37	0.46150	646641.01	4201780.37	0.43687

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	0.41385	646841.01	4201780.37	0.39285
646941.01	4201780.37	0.37300	647041.01	4201780.37	0.35510
647141.01	4201780.37	0.33876	647241.01	4201780.37	0.32359
647341.01	4201780.37	0.31019	644341.01	4201880.37	0.39313
644441.01	4201880.37	0.42479	644541.01	4201880.37	0.45913
644641.01	4201880.37	0.49583	644741.01	4201880.37	0.53362
644841.01	4201880.37	0.57029	644941.01	4201880.37	0.60341
645041.01	4201880.37	0.62959	645141.01	4201880.37	0.64549
645241.01	4201880.37	0.64916	645341.01	4201880.37	0.63893
645441.01	4201880.37	0.62523	645541.01	4201880.37	0.59606
645641.01	4201880.37	0.56920	645741.01	4201880.37	0.54787
645841.01	4201880.37	0.53268	645941.01	4201880.37	0.51984
646041.01	4201880.37	0.50591	646141.01	4201880.37	0.47846
646241.01	4201880.37	0.45914	646341.01	4201880.37	0.44759
646441.01	4201880.37	0.41888	646541.01	4201880.37	0.40697
646641.01	4201880.37	0.38630	646741.01	4201880.37	0.36762
646841.01	4201880.37	0.34985	646941.01	4201880.37	0.33349
647041.01	4201880.37	0.31831	647141.01	4201880.37	0.30425
647241.01	4201880.37	0.29123	647341.01	4201880.37	0.27919
644341.01	4201980.37	0.37506	644441.01	4201980.37	0.40281
644541.01	4201980.37	0.43205	644641.01	4201980.37	0.46168
644741.01	4201980.37	0.49079	644841.01	4201980.37	0.51697
644941.01	4201980.37	0.53785	645041.01	4201980.37	0.55221
645141.01	4201980.37	0.56007	645241.01	4201980.37	0.55650
645341.01	4201980.37	0.54542	645441.01	4201980.37	0.52707
645541.01	4201980.37	0.50532	645641.01	4201980.37	0.48598

645741.01	4201980.37	0.45870	645841.01	4201980.37	0.44918
645941.01	4201980.37	0.44959	646041.01	4201980.37	0.43192
646141.01	4201980.37	0.41807	646241.01	4201980.37	0.40107
646341.01	4201980.37	0.38677	646441.01	4201980.37	0.37245
646541.01	4201980.37	0.35968	646641.01	4201980.37	0.34501
646741.01	4201980.37	0.32956	646841.01	4201980.37	0.31493
646941.01	4201980.37	0.30115	647041.01	4201980.37	0.28821
647141.01	4201980.37	0.27612	647241.01	4201980.37	0.26458
647341.01	4201980.37	0.25407	644341.01	4202080.37	0.35680
644441.01	4202080.37	0.38045	644541.01	4202080.37	0.40473
644641.01	4202080.37	0.42780	644741.01	4202080.37	0.44879
644841.01	4202080.37	0.46602	644941.01	4202080.37	0.47924
645041.01	4202080.37	0.48531	645141.01	4202080.37	0.48631
645241.01	4202080.37	0.48060	645341.01	4202080.37	0.46869

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	0.45341	645541.01	4202080.37	0.42378
645641.01	4202080.37	0.40668	645741.01	4202080.37	0.39679
645841.01	4202080.37	0.39121	645941.01	4202080.37	0.39245
646041.01	4202080.37	0.37811	646141.01	4202080.37	0.36542
646241.01	4202080.37	0.35386	646341.01	4202080.37	0.34143
646441.01	4202080.37	0.32888	646541.01	4202080.37	0.31620
646641.01	4202080.37	0.30598	646741.01	4202080.37	0.29635
646841.01	4202080.37	0.28473	646941.01	4202080.37	0.27310
647041.01	4202080.37	0.26199	647141.01	4202080.37	0.25162
647241.01	4202080.37	0.24186	647341.01	4202080.37	0.23267
644341.01	4202180.37	0.33874	644441.01	4202180.37	0.35845
644541.01	4202180.37	0.37688	644641.01	4202180.37	0.39364
644741.01	4202180.37	0.40741	644841.01	4202180.37	0.41870
644941.01	4202180.37	0.42590	645041.01	4202180.37	0.42856
645141.01	4202180.37	0.42625	645241.01	4202180.37	0.41960
645341.01	4202180.37	0.40149	645441.01	4202180.37	0.38486
645541.01	4202180.37	0.36244	645641.01	4202180.37	0.35094
645741.01	4202180.37	0.34768	645841.01	4202180.37	0.34400
645941.01	4202180.37	0.33857	646041.01	4202180.37	0.33199
646141.01	4202180.37	0.32409	646241.01	4202180.37	0.31371
646341.01	4202180.37	0.30767	646441.01	4202180.37	0.30080
646541.01	4202180.37	0.28999	646641.01	4202180.37	0.27918
646741.01	4202180.37	0.26390	646841.01	4202180.37	0.25396
646941.01	4202180.37	0.24596	647041.01	4202180.37	0.23943
647141.01	4202180.37	0.23049	647241.01	4202180.37	0.22203
647341.01	4202180.37	0.21402	644341.01	4202280.37	0.31904

644441.01	4202280.37	0.33399	644541.01	4202280.37	0.34824
644641.01	4202280.37	0.36058	644741.01	4202280.37	0.37059
644841.01	4202280.37	0.37750	644941.01	4202280.37	0.38070
645041.01	4202280.37	0.37997	645141.01	4202280.37	0.37574
645241.01	4202280.37	0.35831	645341.01	4202280.37	0.34385
645441.01	4202280.37	0.32729	645541.01	4202280.37	0.31328
645641.01	4202280.37	0.30615	645741.01	4202280.37	0.30060
645841.01	4202280.37	0.29709	645941.01	4202280.37	0.29377
646041.01	4202280.37	0.29264	646141.01	4202280.37	0.29195
646241.01	4202280.37	0.28877	646341.01	4202280.37	0.28021
646441.01	4202280.37	0.27132	646541.01	4202280.37	0.26252
646641.01	4202280.37	0.25370	646741.01	4202280.37	0.24270
646841.01	4202280.37	0.23449	646941.01	4202280.37	0.22795
647041.01	4202280.37	0.21987	647141.01	4202280.37	0.21209

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	0.20472	647341.01	4202280.37	0.19771
645946.01	4200731.54	50.41780	645933.67	4200896.54	23.29405
645889.89	4200889.80	27.77393	645847.24	4200866.23	23.47551
645697.97	4200718.07	11.10104	645704.70	4200712.46	11.22112

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648147.98	4201090.65	1.86488	646506.52	4202111.83	1.65797
645939.20	4200707.16	195.90995	644341.01	4199280.37	1.05516
644441.01	4199280.37	1.11831	644541.01	4199280.37	1.19020
644641.01	4199280.37	1.27262	644741.01	4199280.37	1.36696
644841.01	4199280.37	1.47360	644941.01	4199280.37	1.59129
645041.01	4199280.37	1.71662	645141.01	4199280.37	1.84381
645241.01	4199280.37	1.96477	645341.01	4199280.37	2.07043
645441.01	4199280.37	2.15369	645541.01	4199280.37	2.21339
645641.01	4199280.37	2.25664	645741.01	4199280.37	2.29700
645841.01	4199280.37	2.34867	645941.01	4199280.37	2.41951
646041.01	4199280.37	2.50696	646141.01	4199280.37	2.59974
646241.01	4199280.37	2.68371	646341.01	4199280.37	2.74762
646441.01	4199280.37	2.78538	646541.01	4199280.37	2.79593
646641.01	4199280.37	2.78238	646741.01	4199280.37	2.75025
646841.01	4199280.37	2.70703	646941.01	4199280.37	2.65109
647041.01	4199280.37	2.59349	647141.01	4199280.37	2.52807
647241.01	4199280.37	2.45832	647341.01	4199280.37	2.38368
644341.01	4199380.37	1.11460	644441.01	4199380.37	1.18213
644541.01	4199380.37	1.25870	644641.01	4199380.37	1.34665

644741.01	4199380.37	1.44830	644841.01	4199380.37	1.56521
644941.01	4199380.37	1.69727	645041.01	4199380.37	1.84177
645141.01	4199380.37	1.99277	645241.01	4199380.37	2.14092
645341.01	4199380.37	2.27451	645441.01	4199380.37	2.38300
645541.01	4199380.37	2.46244	645641.01	4199380.37	2.51977
645741.01	4199380.37	2.57141	645841.01	4199380.37	2.63550
645941.01	4199380.37	2.72193	646041.01	4199380.37	2.82670
646141.01	4199380.37	2.93463	646241.01	4199380.37	3.02790
646341.01	4199380.37	3.09368	646441.01	4199380.37	3.12629
646541.01	4199380.37	3.12641	646641.01	4199380.37	3.09942
646741.01	4199380.37	3.05248	646841.01	4199380.37	2.99175
646941.01	4199380.37	2.92119	647041.01	4199380.37	2.84690
647141.01	4199380.37	2.76279	647241.01	4199380.37	2.67299
647341.01	4199380.37	2.57824	644341.01	4199480.37	1.18052
644441.01	4199480.37	1.25367	644541.01	4199480.37	1.33599
644641.01	4199480.37	1.43022	644741.01	4199480.37	1.53957
644841.01	4199480.37	1.66702	644941.01	4199480.37	1.81417
645041.01	4199480.37	1.97978	645141.01	4199480.37	2.15843
645241.01	4199480.37	2.33974	645341.01	4199480.37	2.50908
645441.01	4199480.37	2.65127	645541.01	4199480.37	2.75803
645641.01	4199480.37	2.83517	645741.01	4199480.37	2.90243

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645841.01	4199480.37	2.98318	645941.01	4199480.37	3.09005
646041.01	4199480.37	3.21682	646141.01	4199480.37	3.34276
646241.01	4199480.37	3.44548	646341.01	4199480.37	3.51077
646441.01	4199480.37	3.53421	646541.01	4199480.37	3.51920
646641.01	4199480.37	3.47389	646741.01	4199480.37	3.40697
646841.01	4199480.37	3.32775	646941.01	4199480.37	3.23122
647041.01	4199480.37	3.13234	647141.01	4199480.37	3.02202
647241.01	4199480.37	2.90634	647341.01	4199480.37	2.78514
644341.01	4199580.37	1.25315	644441.01	4199580.37	1.33357
644541.01	4199580.37	1.42333	644641.01	4199580.37	1.52529
644741.01	4199580.37	1.64332	644841.01	4199580.37	1.78185
644941.01	4199580.37	1.94471	645041.01	4199580.37	2.13313
645141.01	4199580.37	2.34339	645241.01	4199580.37	2.56492
645341.01	4199580.37	2.78001	645441.01	4199580.37	2.96752
645541.01	4199580.37	3.11256	645641.01	4199580.37	3.21808
645741.01	4199580.37	3.30742	645841.01	4199580.37	3.41096
645941.01	4199580.37	3.54512	646041.01	4199580.37	3.70015
646141.01	4199580.37	3.84740	646241.01	4199580.37	3.95883
646341.01	4199580.37	4.01954	646441.01	4199580.37	4.02770

646541.01	4199580.37	3.99070	646641.01	4199580.37	3.91978
646741.01	4199580.37	3.82479	646841.01	4199580.37	3.71688
646941.01	4199580.37	3.58582	647041.01	4199580.37	3.45322
647141.01	4199580.37	3.30747	647241.01	4199580.37	3.15606
647341.01	4199580.37	3.00172	644341.01	4199680.37	1.33240
644441.01	4199680.37	1.42211	644541.01	4199680.37	1.52165
644641.01	4199680.37	1.63373	644741.01	4199680.37	1.76245
644841.01	4199680.37	1.91339	644941.01	4199680.37	2.09282
645041.01	4199680.37	2.30552	645141.01	4199680.37	2.55127
645241.01	4199680.37	2.82102	645341.01	4199680.37	3.09458
645441.01	4199680.37	3.34345	645541.01	4199680.37	3.54284
645641.01	4199680.37	3.68983	645741.01	4199680.37	3.81119
645841.01	4199680.37	3.94665	645941.01	4199680.37	4.11791
646041.01	4199680.37	4.30968	646141.01	4199680.37	4.48179
646241.01	4199680.37	4.59948	646341.01	4199680.37	4.64851
646441.01	4199680.37	4.63190	646541.01	4199680.37	4.56239
646641.01	4199680.37	4.45432	646741.01	4199680.37	4.31829
646841.01	4199680.37	4.16676	646941.01	4199680.37	3.98817
647041.01	4199680.37	3.80846	647141.01	4199680.37	3.61653
647241.01	4199680.37	3.42161	647341.01	4199680.37	3.22719
644341.01	4199780.37	1.41782	644441.01	4199780.37	1.51913

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644541.01	4199780.37	1.63135	644641.01	4199780.37	1.75694
644741.01	4199780.37	1.89981	644841.01	4199780.37	2.06602
644941.01	4199780.37	2.26391	645041.01	4199780.37	2.50254
645141.01	4199780.37	2.78741	645241.01	4199780.37	3.11406
645341.01	4199780.37	3.46200	645441.01	4199780.37	3.79440
645541.01	4199780.37	4.07211	645641.01	4199780.37	4.28115
645741.01	4199780.37	4.45032	645841.01	4199780.37	4.63161
645941.01	4199780.37	4.85440	646041.01	4199780.37	5.09450
646141.01	4199780.37	5.29478	646241.01	4199780.37	5.41272
646341.01	4199780.37	5.43763	646441.01	4199780.37	5.38089
646541.01	4199780.37	5.26191	646641.01	4199780.37	5.09765
646741.01	4199780.37	4.90019	646841.01	4199780.37	4.67744
646941.01	4199780.37	4.43949	647041.01	4199780.37	4.19535
647141.01	4199780.37	3.94352	647241.01	4199780.37	3.69453
647341.01	4199780.37	3.45309	644341.01	4199880.37	1.50864
644441.01	4199880.37	1.62392	644541.01	4199880.37	1.75208
644641.01	4199880.37	1.89543	644741.01	4199880.37	2.05754
644841.01	4199880.37	2.24425	644941.01	4199880.37	2.46489
645041.01	4199880.37	2.73242	645141.01	4199880.37	3.06007

645241.01	4199880.37	3.45262	645341.01	4199880.37	3.89425
645441.01	4199880.37	4.34091	645541.01	4199880.37	4.73331
645641.01	4199880.37	5.03770	645741.01	4199880.37	5.28078
645841.01	4199880.37	5.52984	645941.01	4199880.37	5.82584
646041.01	4199880.37	6.13022	646141.01	4199880.37	6.36016
646241.01	4199880.37	6.46489	646341.01	4199880.37	6.44340
646441.01	4199880.37	6.32061	646541.01	4199880.37	6.12330
646641.01	4199880.37	5.87527	646741.01	4199880.37	5.58226
646841.01	4199880.37	5.26185	646941.01	4199880.37	4.93759
647041.01	4199880.37	4.60499	647141.01	4199880.37	4.27919
647241.01	4199880.37	3.96687	647341.01	4199880.37	3.67303
644341.01	4199980.37	1.60365	644441.01	4199980.37	1.73524
644541.01	4199980.37	1.88269	644641.01	4199980.37	2.04856
644741.01	4199980.37	2.23636	644841.01	4199980.37	2.45152
644941.01	4199980.37	2.70317	645041.01	4199980.37	3.00637
645141.01	4199980.37	3.38221	645241.01	4199980.37	3.84995
645341.01	4199980.37	4.40793	645441.01	4199980.37	5.01114
645541.01	4199980.37	5.57444	645641.01	4199980.37	6.03074
645741.01	4199980.37	6.39688	645841.01	4199980.37	6.74512
645941.01	4199980.37	7.14763	646041.01	4199980.37	7.53796
646141.01	4199980.37	7.79262	646241.01	4199980.37	7.85455

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646341.01	4199980.37	7.74568	646441.01	4199980.37	7.51181
646541.01	4199980.37	7.18611	646641.01	4199980.37	6.79285
646741.01	4199980.37	6.36129	646841.01	4199980.37	5.91477
646941.01	4199980.37	5.46335	647041.01	4199980.37	5.02605
647141.01	4199980.37	4.61287	647241.01	4199980.37	4.22972
647341.01	4199980.37	3.87938	644341.01	4200080.37	1.70109
644441.01	4200080.37	1.85114	644541.01	4200080.37	2.02109
644641.01	4200080.37	2.21431	644741.01	4200080.37	2.43500
644841.01	4200080.37	2.68884	644941.01	4200080.37	2.98457
645041.01	4200080.37	3.33729	645141.01	4200080.37	3.77297
645241.01	4200080.37	4.32779	645341.01	4200080.37	5.02807
645441.01	4200080.37	5.84542	645541.01	4200080.37	6.66823
645641.01	4200080.37	7.37247	645741.01	4200080.37	7.94428
645841.01	4200080.37	8.46982	645941.01	4200080.37	9.04179
646041.01	4200080.37	9.55381	646141.01	4200080.37	9.78062
646241.01	4200080.37	9.73381	646341.01	4200080.37	9.45774
646441.01	4200080.37	9.02587	646541.01	4200080.37	8.49885
646641.01	4200080.37	7.88317	646741.01	4200080.37	7.24054
646841.01	4200080.37	6.60559	646941.01	4200080.37	6.00089

647041.01	4200080.37	5.44003	647141.01	4200080.37	4.93090
647241.01	4200080.37	4.47319	647341.01	4200080.37	4.06648
644341.01	4200180.37	1.79872	644441.01	4200180.37	1.96890
644541.01	4200180.37	2.16411	644641.01	4200180.37	2.38911
644741.01	4200180.37	2.64978	644841.01	4200180.37	2.95354
644941.01	4200180.37	3.31040	645041.01	4200180.37	3.73565
645141.01	4200180.37	4.25636	645241.01	4200180.37	4.92118
645341.01	4200180.37	5.79625	645441.01	4200180.37	6.90578
645541.01	4200180.37	8.13133	645641.01	4200180.37	9.26301
645741.01	4200180.37	10.20772	645841.01	4200180.37	11.01617
645941.01	4200180.37	11.83120	646041.01	4200180.37	12.47805
646141.01	4200180.37	12.64196	646241.01	4200180.37	12.33562
646341.01	4200180.37	11.72171	646441.01	4200180.37	10.96525
646541.01	4200180.37	10.05674	646641.01	4200180.37	9.10442
646741.01	4200180.37	8.17525	646841.01	4200180.37	7.30865
646941.01	4200180.37	6.52348	647041.01	4200180.37	5.82653
647141.01	4200180.37	5.21691	647241.01	4200180.37	4.68616
647341.01	4200180.37	4.22666	644341.01	4200280.37	1.89528
644441.01	4200280.37	2.08609	644541.01	4200280.37	2.30804
644641.01	4200280.37	2.56796	644741.01	4200280.37	2.87446
644841.01	4200280.37	3.23862	644941.01	4200280.37	3.67486

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645041.01	4200280.37	4.20288	645141.01	4200280.37	4.85277
645241.01	4200280.37	5.67912	645341.01	4200280.37	6.78509
645441.01	4200280.37	8.29812	645541.01	4200280.37	10.16949
645641.01	4200280.37	12.07930	645741.01	4200280.37	13.77662
645841.01	4200280.37	15.05947	645941.01	4200280.37	16.22878
646041.01	4200280.37	16.97875	646141.01	4200280.37	16.82117
646241.01	4200280.37	15.92100	646341.01	4200280.37	14.74948
646441.01	4200280.37	13.33924	646541.01	4200280.37	11.85012
646641.01	4200280.37	10.41730	646741.01	4200280.37	9.12115
646841.01	4200280.37	7.98260	646941.01	4200280.37	6.99983
647041.01	4200280.37	6.16389	647141.01	4200280.37	5.45724
647241.01	4200280.37	4.86064	647341.01	4200280.37	4.35524
644341.01	4200380.37	1.99296	644441.01	4200380.37	2.20369
644541.01	4200380.37	2.45255	644641.01	4200380.37	2.74831
644741.01	4200380.37	3.10355	644841.01	4200380.37	3.53518
644941.01	4200380.37	4.06599	645041.01	4200380.37	4.72758
645141.01	4200380.37	5.56456	645241.01	4200380.37	6.64921
645341.01	4200380.37	8.11479	645441.01	4200380.37	10.24809
645541.01	4200380.37	13.20622	645641.01	4200380.37	16.68445

645741.01	4200380.37	19.97232	645841.01	4200380.37	22.07532
645941.01	4200380.37	23.60620	646041.01	4200380.37	24.14360
646141.01	4200380.37	23.04915	646241.01	4200380.37	21.00378
646341.01	4200380.37	18.63831	646441.01	4200380.37	16.14202
646541.01	4200380.37	13.80347	646641.01	4200380.37	11.74837
646741.01	4200380.37	10.01418	646841.01	4200380.37	8.57655
646941.01	4200380.37	7.39635	647041.01	4200380.37	6.43256
647141.01	4200380.37	5.64299	647241.01	4200380.37	4.99155
647341.01	4200380.37	4.44943	644341.01	4200480.37	2.09879
644441.01	4200480.37	2.32957	644541.01	4200480.37	2.60660
644641.01	4200480.37	2.93844	644741.01	4200480.37	3.34325
644841.01	4200480.37	3.84462	644941.01	4200480.37	4.47725
645041.01	4200480.37	5.29393	645141.01	4200480.37	6.37316
645241.01	4200480.37	7.84366	645341.01	4200480.37	9.93330
645441.01	4200480.37	13.05971	645541.01	4200480.37	18.40160
645641.01	4200480.37	26.00068	645741.01	4200480.37	33.32842
645841.01	4200480.37	36.09683	645941.01	4200480.37	37.62189
646041.01	4200480.37	36.81261	646141.01	4200480.37	32.92297
646241.01	4200480.37	28.04193	646341.01	4200480.37	23.38127
646441.01	4200480.37	19.26937	646541.01	4200480.37	15.79917
646641.01	4200480.37	12.98590	646741.01	4200480.37	10.76460

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646841.01	4200480.37	9.03384	646941.01	4200480.37	7.68204
647041.01	4200480.37	6.61711	647141.01	4200480.37	5.76470
647241.01	4200480.37	5.07320	647341.01	4200480.37	4.50454
644341.01	4200580.37	2.21629	644441.01	4200580.37	2.46918
644541.01	4200580.37	2.77180	644641.01	4200580.37	3.13979
644741.01	4200580.37	3.59457	644841.01	4200580.37	4.16735
644941.01	4200580.37	4.90542	645041.01	4200580.37	5.88363
645141.01	4200580.37	7.22696	645241.01	4200580.37	9.14569
645341.01	4200580.37	12.13255	645441.01	4200580.37	17.26874
645541.01	4200580.37	29.40726	645641.01	4200580.37	63.26173
645741.01	4200580.37	70.97207	645841.01	4200580.37	66.48011
645941.01	4200580.37	67.15429	646041.01	4200580.37	59.83432
646141.01	4200580.37	47.38079	646241.01	4200580.37	36.86210
646341.01	4200580.37	29.03393	646441.01	4200580.37	22.65873
646541.01	4200580.37	17.63876	646641.01	4200580.37	13.93411
646741.01	4200580.37	11.25725	646841.01	4200580.37	9.29861
646941.01	4200580.37	7.82932	647041.01	4200580.37	6.69888
647141.01	4200580.37	5.80929	647241.01	4200580.37	5.09548
647341.01	4200580.37	4.51309	644341.01	4200680.37	2.33729

644441.01	4200680.37	2.61182	644541.01	4200680.37	2.94371
644641.01	4200680.37	3.35042	644741.01	4200680.37	3.85901
644841.01	4200680.37	4.50606	644941.01	4200680.37	5.35199
645041.01	4200680.37	6.49548	645141.01	4200680.37	8.10990
645241.01	4200680.37	10.53245	645341.01	4200680.37	14.43236
645441.01	4200680.37	22.41471	645541.01	4200680.37	48.33541
645641.01	4200680.37	169.05948	645741.01	4200680.37	199.59187
645841.01	4200680.37	152.47322	645941.01	4200680.37	149.99609
646041.01	4200680.37	97.71045	646141.01	4200680.37	65.02715
646241.01	4200680.37	49.36115	646341.01	4200680.37	37.26628
646441.01	4200680.37	25.97560	646541.01	4200680.37	18.77523
646641.01	4200680.37	14.33099	646741.01	4200680.37	11.38784
646841.01	4200680.37	9.32463	646941.01	4200680.37	7.81137
647041.01	4200680.37	6.66234	647141.01	4200680.37	5.76566
647241.01	4200680.37	5.05022	647341.01	4200680.37	4.46878
644341.01	4200780.37	2.44314	644441.01	4200780.37	2.73868
644541.01	4200780.37	3.09712	644641.01	4200780.37	3.53811
644741.01	4200780.37	4.09149	644841.01	4200780.37	4.80157
644941.01	4200780.37	5.73839	645041.01	4200780.37	7.02037
645141.01	4200780.37	8.84625	645241.01	4200780.37	11.61473
645341.01	4200780.37	16.10650	645441.01	4200780.37	24.60085

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645541.01	4200780.37	43.56676	645641.01	4200780.37	96.24305
645741.01	4200780.37	225.66233	646041.01	4200780.37	124.91193
646141.01	4200780.37	97.95352	646241.01	4200780.37	115.52378
646341.01	4200780.37	48.36240	646441.01	4200780.37	26.72846
646541.01	4200780.37	18.50320	646641.01	4200780.37	13.96556
646741.01	4200780.37	11.07143	646841.01	4200780.37	9.06180
646941.01	4200780.37	7.59509	647041.01	4200780.37	6.48354
647141.01	4200780.37	5.61655	647241.01	4200780.37	4.92464
647341.01	4200780.37	4.36201	644341.01	4200880.37	2.51654
644441.01	4200880.37	2.82425	644541.01	4200880.37	3.19716
644641.01	4200880.37	3.65848	644741.01	4200880.37	4.23619
644841.01	4200880.37	4.97753	644941.01	4200880.37	5.95405
645041.01	4200880.37	7.28282	645141.01	4200880.37	9.17027
645241.01	4200880.37	11.97801	645341.01	4200880.37	16.44007
645441.01	4200880.37	24.01431	645541.01	4200880.37	37.37034
645641.01	4200880.37	63.77960	645741.01	4200880.37	144.10600
645841.01	4200880.37	225.30463	645941.01	4200880.37	149.84305
646041.01	4200880.37	188.06246	646141.01	4200880.37	122.31757
646241.01	4200880.37	66.69827	646341.01	4200880.37	34.16168

646441.01	4200880.37	22.42919	646541.01	4200880.37	16.36111
646641.01	4200880.37	12.66188	646741.01	4200880.37	10.19833
646841.01	4200880.37	8.44461	646941.01	4200880.37	7.13719
647041.01	4200880.37	6.13273	647141.01	4200880.37	5.34087
647241.01	4200880.37	4.70347	647341.01	4200880.37	4.18146
644341.01	4200980.37	2.54722	644441.01	4200980.37	2.85700
644541.01	4200980.37	3.23095	644641.01	4200980.37	3.69026
644741.01	4200980.37	4.26598	644841.01	4200980.37	4.99736
644941.01	4200980.37	5.95083	645041.01	4200980.37	7.22846
645141.01	4200980.37	8.99686	645241.01	4200980.37	11.54393
645341.01	4200980.37	15.31071	645441.01	4200980.37	21.03024
645541.01	4200980.37	29.99038	645641.01	4200980.37	44.45253
645741.01	4200980.37	64.73188	645841.01	4200980.37	75.21901
645941.01	4200980.37	79.79237	646041.01	4200980.37	55.72304
646141.01	4200980.37	39.94155	646241.01	4200980.37	28.61705
646341.01	4200980.37	21.17575	646441.01	4200980.37	16.29020
646541.01	4200980.37	12.94846	646641.01	4200980.37	10.56448
646741.01	4200980.37	8.80674	646841.01	4200980.37	7.47084
646941.01	4200980.37	6.43058	647041.01	4200980.37	5.60132
647141.01	4200980.37	4.93058	647241.01	4200980.37	4.37973
647341.01	4200980.37	3.92128	644341.01	4201080.37	2.53868

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644441.01	4201080.37	2.84059	644541.01	4201080.37	3.20451
644641.01	4201080.37	3.64773	644741.01	4201080.37	4.19714
644841.01	4201080.37	4.88699	644941.01	4201080.37	5.77163
645041.01	4201080.37	6.93251	645141.01	4201080.37	8.48415
645241.01	4201080.37	10.59093	645341.01	4201080.37	13.48060
645441.01	4201080.37	17.44306	645541.01	4201080.37	22.75158
645641.01	4201080.37	28.83121	645741.01	4201080.37	31.67499
645841.01	4201080.37	31.31654	645941.01	4201080.37	28.87470
646041.01	4201080.37	23.69196	646141.01	4201080.37	20.17366
646241.01	4201080.37	16.56758	646341.01	4201080.37	13.73175
646441.01	4201080.37	11.49377	646541.01	4201080.37	9.74187
646641.01	4201080.37	8.34767	646741.01	4201080.37	7.22915
646841.01	4201080.37	6.31939	646941.01	4201080.37	5.56672
647041.01	4201080.37	4.94144	647141.01	4201080.37	4.41600
647241.01	4201080.37	3.97145	647341.01	4201080.37	3.59234
644341.01	4201180.37	2.50101	644441.01	4201180.37	2.78959
644541.01	4201180.37	3.13537	644641.01	4201180.37	3.55289
644741.01	4201180.37	4.06214	644841.01	4201180.37	4.69264
644941.01	4201180.37	5.48422	645041.01	4201180.37	6.49017

645141.01	4201180.37	7.78364	645241.01	4201180.37	9.43819
645341.01	4201180.37	11.53140	645441.01	4201180.37	14.06040
645541.01	4201180.37	16.73785	645641.01	4201180.37	18.65227
645741.01	4201180.37	18.77232	645841.01	4201180.37	17.82306
645941.01	4201180.37	16.68837	646041.01	4201180.37	14.80550
646141.01	4201180.37	12.77627	646241.01	4201180.37	11.01273
646341.01	4201180.37	9.55237	646441.01	4201180.37	8.34448
646541.01	4201180.37	7.34765	646641.01	4201180.37	6.51607
646741.01	4201180.37	5.81336	646841.01	4201180.37	5.21507
646941.01	4201180.37	4.69813	647041.01	4201180.37	4.25052
647141.01	4201180.37	3.86102	647241.01	4201180.37	3.52130
647341.01	4201180.37	3.22345	644341.01	4201280.37	2.44417
644441.01	4201280.37	2.71605	644541.01	4201280.37	3.03872
644641.01	4201280.37	3.42401	644741.01	4201280.37	3.88687
644841.01	4201280.37	4.44959	644941.01	4201280.37	5.13866
645041.01	4201280.37	5.98505	645141.01	4201280.37	7.01980
645241.01	4201280.37	8.26568	645341.01	4201280.37	9.68137
645441.01	4201280.37	11.12389	645541.01	4201280.37	12.26736
645641.01	4201280.37	12.69041	645741.01	4201280.37	12.36054
645841.01	4201280.37	11.78008	645941.01	4201280.37	11.06875
646041.01	4201280.37	10.04088	646141.01	4201280.37	9.03051

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646241.01	4201280.37	8.02805	646341.01	4201280.37	7.13871
646441.01	4201280.37	6.37195	646541.01	4201280.37	5.72568
646641.01	4201280.37	5.17182	646741.01	4201280.37	4.69931
646841.01	4201280.37	4.29072	646941.01	4201280.37	3.93207
647041.01	4201280.37	3.61121	647141.01	4201280.37	3.32768
647241.01	4201280.37	3.07500	647341.01	4201280.37	2.84887
644341.01	4201380.37	2.37433	644441.01	4201380.37	2.62766
644541.01	4201380.37	2.92403	644641.01	4201380.37	3.27412
644741.01	4201380.37	3.68808	644841.01	4201380.37	4.18094
644941.01	4201380.37	4.76752	645041.01	4201380.37	5.45980
645141.01	4201380.37	6.25844	645241.01	4201380.37	7.13723
645341.01	4201380.37	8.01861	645441.01	4201380.37	8.75066
645541.01	4201380.37	9.15045	645641.01	4201380.37	9.11289
645741.01	4201380.37	8.78279	645841.01	4201380.37	8.41211
645941.01	4201380.37	7.92541	646041.01	4201380.37	7.36045
646141.01	4201380.37	6.76166	646241.01	4201380.37	6.18194
646341.01	4201380.37	5.58799	646441.01	4201380.37	5.04484
646541.01	4201380.37	4.59260	646641.01	4201380.37	4.20138
646741.01	4201380.37	3.86255	646841.01	4201380.37	3.56682

646941.01	4201380.37	3.30595	647041.01	4201380.37	3.07340
647141.01	4201380.37	2.86425	647241.01	4201380.37	2.67487
647341.01	4201380.37	2.50253	644341.01	4201480.37	2.29498
644441.01	4201480.37	2.52840	644541.01	4201480.37	2.79788
644641.01	4201480.37	3.11152	644741.01	4201480.37	3.47755
644841.01	4201480.37	3.90167	644941.01	4201480.37	4.38879
645041.01	4201480.37	4.93494	645141.01	4201480.37	5.52021
645241.01	4201480.37	6.10236	645341.01	4201480.37	6.60083
645441.01	4201480.37	6.92553	645541.01	4201480.37	7.00372
645641.01	4201480.37	6.85012	645741.01	4201480.37	6.59137
645841.01	4201480.37	6.34089	645941.01	4201480.37	6.03955
646041.01	4201480.37	5.68217	646141.01	4201480.37	5.30784
646241.01	4201480.37	4.92922	646341.01	4201480.37	4.51918
646441.01	4201480.37	4.14256	646541.01	4201480.37	3.80682
646641.01	4201480.37	3.51836	646741.01	4201480.37	3.26597
646841.01	4201480.37	3.03496	646941.01	4201480.37	2.83076
647041.01	4201480.37	2.64983	647141.01	4201480.37	2.48639
647241.01	4201480.37	2.33827	647341.01	4201480.37	2.20309
644341.01	4201580.37	2.20921	644441.01	4201580.37	2.42244
644541.01	4201580.37	2.66578	644641.01	4201580.37	2.94465
644741.01	4201580.37	3.26250	644841.01	4201580.37	3.61912

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
644941.01	4201580.37	4.01028	645041.01	4201580.37	4.42208
645141.01	4201580.37	4.82822	645241.01	4201580.37	5.18403
645341.01	4201580.37	5.44067	645441.01	4201580.37	5.55445
645541.01	4201580.37	5.50775	645641.01	4201580.37	5.34389
645741.01	4201580.37	5.14915	645841.01	4201580.37	4.97738
645941.01	4201580.37	4.78558	646041.01	4201580.37	4.52916
646141.01	4201580.37	4.29721	646241.01	4201580.37	4.02648
646341.01	4201580.37	3.74939	646441.01	4201580.37	3.48532
646541.01	4201580.37	3.22952	646641.01	4201580.37	3.01171
646741.01	4201580.37	2.80891	646841.01	4201580.37	2.62452
646941.01	4201580.37	2.46059	647041.01	4201580.37	2.31905
647141.01	4201580.37	2.18539	647241.01	4201580.37	2.06270
647341.01	4201580.37	1.94998	644341.01	4201680.37	2.12011
644441.01	4201680.37	2.31373	644541.01	4201680.37	2.53144
644641.01	4201680.37	2.77620	644741.01	4201680.37	3.04571
644841.01	4201680.37	3.33623	644941.01	4201680.37	3.63881
645041.01	4201680.37	3.93369	645141.01	4201680.37	4.19705
645241.01	4201680.37	4.40035	645341.01	4201680.37	4.51445
645441.01	4201680.37	4.52283	645541.01	4201680.37	4.41960

645641.01	4201680.37	4.29739	645741.01	4201680.37	4.15274
645841.01	4201680.37	4.03193	645941.01	4201680.37	3.87274
646041.01	4201680.37	3.75168	646141.01	4201680.37	3.56304
646241.01	4201680.37	3.37043	646341.01	4201680.37	3.17355
646441.01	4201680.37	2.97220	646541.01	4201680.37	2.78309
646641.01	4201680.37	2.61045	646741.01	4201680.37	2.45602
646841.01	4201680.37	2.30727	646941.01	4201680.37	2.17393
647041.01	4201680.37	2.04684	647141.01	4201680.37	1.93845
647241.01	4201680.37	1.83684	647341.01	4201680.37	1.74422
644341.01	4201780.37	2.03045	644441.01	4201780.37	2.20422
644541.01	4201780.37	2.39684	644641.01	4201780.37	2.60588
644741.01	4201780.37	2.82874	644841.01	4201780.37	3.05690
644941.01	4201780.37	3.27926	645041.01	4201780.37	3.48075
645141.01	4201780.37	3.64195	645241.01	4201780.37	3.74498
645341.01	4201780.37	3.77229	645441.01	4201780.37	3.73153
645541.01	4201780.37	3.62933	645641.01	4201780.37	3.51110
645741.01	4201780.37	3.40488	645841.01	4201780.37	3.33889
645941.01	4201780.37	3.24634	646041.01	4201780.37	3.13887
646141.01	4201780.37	3.01108	646241.01	4201780.37	2.86972
646341.01	4201780.37	2.72263	646441.01	4201780.37	2.57514
646541.01	4201780.37	2.43092	646641.01	4201780.37	2.29309

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 ,
L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
646741.01	4201780.37	2.16365	646841.01	4201780.37	2.04417
646941.01	4201780.37	1.93184	647041.01	4201780.37	1.82924
647141.01	4201780.37	1.73526	647241.01	4201780.37	1.64865
647341.01	4201780.37	1.57107	644341.01	4201880.37	1.94014
644441.01	4201880.37	2.09465	644541.01	4201880.37	2.26042
644641.01	4201880.37	2.43501	644741.01	4201880.37	2.61266
644841.01	4201880.37	2.78466	644941.01	4201880.37	2.94131
645041.01	4201880.37	3.07006	645141.01	4201880.37	3.15907
645241.01	4201880.37	3.19992	645341.01	4201880.37	3.18731
645441.01	4201880.37	3.14587	645541.01	4201880.37	3.05561
645641.01	4201880.37	2.96680	645741.01	4201880.37	2.88910
645841.01	4201880.37	2.82312	645941.01	4201880.37	2.75694
646041.01	4201880.37	2.68053	646141.01	4201880.37	2.56791
646241.01	4201880.37	2.46270	646341.01	4201880.37	2.36783
646441.01	4201880.37	2.23834	646541.01	4201880.37	2.14224
646641.01	4201880.37	2.02958	646741.01	4201880.37	1.92520
646841.01	4201880.37	1.82613	646941.01	4201880.37	1.73398
647041.01	4201880.37	1.64794	647141.01	4201880.37	1.56783
647241.01	4201880.37	1.49350	647341.01	4201880.37	1.42477

644341.01	4201980.37	1.84967	644441.01	4201980.37	1.98376
644541.01	4201980.37	2.12337	644641.01	4201980.37	2.26391
644741.01	4201980.37	2.40051	644841.01	4201980.37	2.52510
644941.01	4201980.37	2.62930	645041.01	4201980.37	2.70723
645141.01	4201980.37	2.75531	645241.01	4201980.37	2.75994
645341.01	4201980.37	2.73259	645441.01	4201980.37	2.67613
645541.01	4201980.37	2.60491	645641.01	4201980.37	2.53808
645741.01	4201980.37	2.45622	645841.01	4201980.37	2.41014
645941.01	4201980.37	2.38063	646041.01	4201980.37	2.30888
646141.01	4201980.37	2.23680	646241.01	4201980.37	2.15159
646341.01	4201980.37	2.06753	646441.01	4201980.37	1.98149
646541.01	4201980.37	1.89844	646641.01	4201980.37	1.81255
646741.01	4201980.37	1.72699	646841.01	4201980.37	1.64564
646941.01	4201980.37	1.56874	647041.01	4201980.37	1.49625
647141.01	4201980.37	1.42809	647241.01	4201980.37	1.36339
647341.01	4201980.37	1.30363	644341.01	4202080.37	1.75791
644441.01	4202080.37	1.87134	644541.01	4202080.37	1.98570
644641.01	4202080.37	2.09541	644741.01	4202080.37	2.19620
644841.01	4202080.37	2.28241	644941.01	4202080.37	2.35102
645041.01	4202080.37	2.39168	645141.01	4202080.37	2.40956
645241.01	4202080.37	2.39954	645341.01	4202080.37	2.36414

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
645441.01	4202080.37	2.31395	645541.01	4202080.37	2.22987
645641.01	4202080.37	2.17174	645741.01	4202080.37	2.13038
645841.01	4202080.37	2.09845	645941.01	4202080.37	2.07786
646041.01	4202080.37	2.02153	646141.01	4202080.37	1.96201
646241.01	4202080.37	1.89896	646341.01	4202080.37	1.83002
646441.01	4202080.37	1.75879	646541.01	4202080.37	1.68685
646641.01	4202080.37	1.62045	646741.01	4202080.37	1.55639
646841.01	4202080.37	1.48993	646941.01	4202080.37	1.42537
647041.01	4202080.37	1.36385	647141.01	4202080.37	1.30584
647241.01	4202080.37	1.25095	647341.01	4202080.37	1.19910
644341.01	4202180.37	1.66560	644441.01	4202180.37	1.75922
644541.01	4202180.37	1.84844	644641.01	4202180.37	1.93072
644741.01	4202180.37	2.00043	644841.01	4202180.37	2.05890
644941.01	4202180.37	2.10032	645041.01	4202180.37	2.12252
645141.01	4202180.37	2.12358	645241.01	4202180.37	2.10595
645341.01	4202180.37	2.05504	645441.01	4202180.37	2.00205
645541.01	4202180.37	1.93552	645641.01	4202180.37	1.89322
645741.01	4202180.37	1.86993	645841.01	4202180.37	1.84639
645941.01	4202180.37	1.81776	646041.01	4202180.37	1.78309

646141.01	4202180.37	1.74068	646241.01	4202180.37	1.68825
646341.01	4202180.37	1.64083	646441.01	4202180.37	1.58948
646541.01	4202180.37	1.52961	646641.01	4202180.37	1.46984
646741.01	4202180.37	1.40214	646841.01	4202180.37	1.34607
646941.01	4202180.37	1.29529	647041.01	4202180.37	1.24893
647141.01	4202180.37	1.19925	647241.01	4202180.37	1.15202
647341.01	4202180.37	1.10709	644341.01	4202280.37	1.56981
644441.01	4202280.37	1.64266	644541.01	4202280.37	1.71173
644641.01	4202280.37	1.77272	644741.01	4202280.37	1.82384
644841.01	4202280.37	1.86207	644941.01	4202280.37	1.88495
645041.01	4202280.37	1.89118	645141.01	4202280.37	1.88199
645241.01	4202280.37	1.83819	645341.01	4202280.37	1.79422
645441.01	4202280.37	1.74296	645541.01	4202280.37	1.69710
645641.01	4202280.37	1.66744	645741.01	4202280.37	1.64279
645841.01	4202280.37	1.62304	645941.01	4202280.37	1.60255
646041.01	4202280.37	1.58359	646141.01	4202280.37	1.56136
646241.01	4202280.37	1.52970	646341.01	4202280.37	1.48361
646441.01	4202280.37	1.43480	646541.01	4202280.37	1.38553
646641.01	4202280.37	1.33618	646741.01	4202280.37	1.28286
646841.01	4202280.37	1.23590	646941.01	4202280.37	1.19327
647041.01	4202280.37	1.14860	647141.01	4202280.37	1.10567

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
647241.01	4202280.37	1.06476	647341.01	4202280.37	1.02573
645946.01	4200731.54	230.85247	645933.67	4200896.54	152.23564
645889.89	4200889.80	171.78680	645847.24	4200866.23	202.46293
645697.97	4200718.07	171.57766	645704.70	4200712.46	172.45504

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	8.44894	(14120622)	646506.52	4202111.83	14.05049	(17121905)
645939.20	4200707.16	73.92327	(17021219)	644341.01	4199280.37	11.51703	(15120519)
644441.01	4199280.37	11.90582	(13010518)	644541.01	4199280.37	12.21075	(15120208)
644641.01	4199280.37	12.55790	(13022418)	644741.01	4199280.37	12.91386	(17122817)
644841.01	4199280.37	12.99072	(15120819)	644941.01	4199280.37	13.27035	(14020221)
645041.01	4199280.37	13.63571	(14120120)	645141.01	4199280.37	14.20129	(17122818)
645241.01	4199280.37	14.40879	(17121502)	645341.01	4199280.37	14.33529	(17122819)
645441.01	4199280.37	14.21306	(17011603)	645541.01	4199280.37	13.82140	(17122420)
645641.01	4199280.37	13.56412	(17122707)	645741.01	4199280.37	14.17871	(17021904)

645841.01 4199280.37 13.92218 (17121817) 645941.01 4199280.37 14.14891 (17121920)
646041.01 4199280.37 13.28971 (17120606) 646141.01 4199280.37 13.32710 (17021418)
646241.01 4199280.37 12.49722 (17122220) 646341.01 4199280.37 12.09068 (17020820)
646441.01 4199280.37 11.41497 (17121519) 646541.01 4199280.37 11.46331 (17011220)
646641.01 4199280.37 11.31744 (17012606) 646741.01 4199280.37 10.86522 (17012606)
646841.01 4199280.37 10.24078 (17012606) 646941.01 4199280.37 9.65549 (17122517)
647041.01 4199280.37 9.76603 (17122517) 647141.01 4199280.37 9.56551 (17122517)
647241.01 4199280.37 9.24919 (17120117) 647341.01 4199280.37 9.24694 (17120117)
644341.01 4199380.37 11.94443 (15120519) 644441.01 4199380.37 12.58257 (15120519)
644541.01 4199380.37 13.05713 (13010518) 644641.01 4199380.37 13.37415 (15120208)
644741.01 4199380.37 13.85249 (13022418) 644841.01 4199380.37 14.22169 (15120819)
644941.01 4199380.37 14.37396 (15121522) 645041.01 4199380.37 14.40794 (16012622)
645141.01 4199380.37 15.39615 (17122818) 645241.01 4199380.37 15.50748 (17121502)
645341.01 4199380.37 15.39635 (17122819) 645441.01 4199380.37 15.42049 (17011603)
645541.01 4199380.37 14.85818 (17122706) 645641.01 4199380.37 14.66066 (17122707)
645741.01 4199380.37 15.34805 (17021904) 645841.01 4199380.37 15.16326 (17121920)
645941.01 4199380.37 14.98277 (17121920) 646041.01 4199380.37 14.43456 (17122221)
646141.01 4199380.37 13.98790 (17021418) 646241.01 4199380.37 13.32762 (17122220)
646341.01 4199380.37 12.63637 (17020820) 646441.01 4199380.37 12.34835 (17011220)
646541.01 4199380.37 12.15001 (17012606) 646641.01 4199380.37 11.72937 (17012606)
646741.01 4199380.37 11.03506 (17012606) 646841.01 4199380.37 10.32858 (17012606)
646941.01 4199380.37 10.36970 (17122517) 647041.01 4199380.37 10.18475 (17122517)

647141.01	4199380.37	9.84572	(17120117)	647241.01	4199380.37	9.83362	(17120117)
647341.01	4199380.37	9.53625	(17120117)	644341.01	4199480.37	12.66891	(14022024)
644441.01	4199480.37	13.11435	(15120519)	644541.01	4199480.37	13.82896	(15120519)
644641.01	4199480.37	14.38827	(13010518)	644741.01	4199480.37	14.66779	(15120208)
644841.01	4199480.37	15.21536	(13022418)	644941.01	4199480.37	15.60249	(15120819)
645041.01	4199480.37	15.75048	(14020221)	645141.01	4199480.37	16.21305	(14120120)
645241.01	4199480.37	16.54972	(17122818)	645341.01	4199480.37	16.66023	(17121502)
645441.01	4199480.37	16.71362	(17011603)	645541.01	4199480.37	16.15800	(17122706)
645641.01	4199480.37	15.94042	(17122707)	645741.01	4199480.37	16.70310	(17021904)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	16.61919	(17121920)	645941.01	4199480.37	15.83293	(17121920)
646041.01	4199480.37	15.60259	(17021418)	646141.01	4199480.37	14.50118	(17021418)
646241.01	4199480.37	14.03964	(17020820)	646341.01	4199480.37	13.18605	(17011220)
646441.01	4199480.37	13.03969	(17012606)	646541.01	4199480.37	12.77290	(17012606)
646641.01	4199480.37	11.92573	(17012606)	646741.01	4199480.37	11.19816	(17012606)
646841.01	4199480.37	11.08383	(17122517)	646941.01	4199480.37	10.83657	(17122517)
647041.01	4199480.37	10.51298	(17120117)	647141.01	4199480.37	10.47425	(17120117)
647241.01	4199480.37	10.18742	(17120117)	647341.01	4199480.37	9.68291	(17013019)
644341.01	4199580.37	13.59391	(15120820)	644441.01	4199580.37	13.93769	(14022024)

644541.01 4199580.37 14.50267 (15120519) 644641.01 4199580.37 15.30353 (15120519)
644741.01 4199580.37 15.93607 (13010518) 644841.01 4199580.37 16.32525 (16121304)
644941.01 4199580.37 16.97550 (17122817) 645041.01 4199580.37 17.19974 (15121522)
645141.01 4199580.37 17.31554 (16012622) 645241.01 4199580.37 18.51912 (17122818)
645341.01 4199580.37 18.64416 (17121502) 645441.01 4199580.37 18.33193 (17122819)
645541.01 4199580.37 17.85466 (17011604) 645641.01 4199580.37 17.50081 (17122420)
645741.01 4199580.37 18.28812 (17021904) 645841.01 4199580.37 18.24801 (17121920)
645941.01 4199580.37 16.85898 (17120606) 646041.01 4199580.37 16.86595 (17021418)
646141.01 4199580.37 15.73268 (17122220) 646241.01 4199580.37 14.79650 (17020820)
646341.01 4199580.37 14.39830 (17011220) 646441.01 4199580.37 14.04578 (17012606)
646541.01 4199580.37 13.02437 (17012606) 646641.01 4199580.37 12.07569 (17012606)
646741.01 4199580.37 11.90901 (17122517) 646841.01 4199580.37 11.58498 (17122517)
646941.01 4199580.37 11.25156 (17120117) 647041.01 4199580.37 11.17268 (17120117)
647141.01 4199580.37 10.90127 (17120117) 647241.01 4199580.37 10.35784 (17013019)
647341.01 4199580.37 10.18833 (17012607) 644341.01 4199680.37 14.07197 (17020902)
644441.01 4199680.37 15.06716 (15120820) 644541.01 4199680.37 15.43408 (14022024)
644641.01 4199680.37 16.17468 (15120519) 644741.01 4199680.37 17.08797 (15122801)
644841.01 4199680.37 17.74471 (13010518) 644941.01 4199680.37 18.48983 (13022418)
645041.01 4199680.37 19.11089 (15120819) 645141.01 4199680.37 19.22531 (14020221)
645241.01 4199680.37 20.11184 (17122818) 645341.01 4199680.37 20.57099 (17121502)
645441.01 4199680.37 20.46943 (17122819) 645541.01 4199680.37 19.85563 (17011604)
645641.01 4199680.37 19.39492 (17122420) 645741.01 4199680.37 20.16134 (17021904)

645841.01 4199680.37 20.06445 (17121920) 645941.01 4199680.37 18.54467 (17122221)
646041.01 4199680.37 17.95510 (17021418) 646141.01 4199680.37 16.79447 (17020820)
646241.01 4199680.37 15.79426 (17011220) 646341.01 4199680.37 15.53569 (17012606)
646441.01 4199680.37 14.47690 (17012606) 646541.01 4199680.37 13.09295 (17012606)
646641.01 4199680.37 12.93499 (17122517) 646741.01 4199680.37 12.40788 (17122517)
646841.01 4199680.37 12.13201 (17120117) 646941.01 4199680.37 11.91935 (17120117)
647041.01 4199680.37 11.68207 (17120117) 647141.01 4199680.37 11.12632 (17120117)
647241.01 4199680.37 10.93269 (17012607) 647341.01 4199680.37 10.54791 (17021419)
644341.01 4199780.37 14.49069 (17012723) 644441.01 4199780.37 15.64733 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	16.76782	(15120820)	644641.01	4199780.37	17.25634	(15120820)
644741.01	4199780.37	18.22439	(15120519)	644841.01	4199780.37	19.30099	(15122801)
644941.01	4199780.37	20.16645	(15120208)	645041.01	4199780.37	20.99481	(13022418)
645141.01	4199780.37	21.27636	(15120819)	645241.01	4199780.37	21.66388	(14120120)
645341.01	4199780.37	22.76179	(17122818)	645441.01	4199780.37	22.70570	(17122819)
645541.01	4199780.37	22.33023	(17011603)	645641.01	4199780.37	21.70600	(17122420)
645741.01	4199780.37	22.40045	(17021904)	645841.01	4199780.37	22.08019	(17121920)
645941.01	4199780.37	20.68444	(17122221)	646041.01	4199780.37	19.12456	(17122220)
646141.01	4199780.37	17.95871	(17020820)	646241.01	4199780.37	17.20814	(17011220)

646341.01 4199780.37 16.40839 (17012606) 646441.01 4199780.37 14.47190 (17012606)
646541.01 4199780.37 14.23304 (17122517) 646641.01 4199780.37 13.41623 (17122517)
646741.01 4199780.37 13.12928 (17120117) 646841.01 4199780.37 12.75581 (17120117)
646941.01 4199780.37 12.51915 (17120117) 647041.01 4199780.37 12.08939 (17120117)
647141.01 4199780.37 11.77317 (17012607) 647241.01 4199780.37 11.46626 (17021419)
647341.01 4199780.37 11.38659 (17021419) 644341.01 4199880.37 16.13118 (17121205)
644441.01 4199880.37 16.17669 (16020801) 644541.01 4199880.37 17.51572 (14021403)
644641.01 4199880.37 18.91695 (17020902) 644741.01 4199880.37 19.81505 (15120820)
644841.01 4199880.37 20.79193 (15120519) 644941.01 4199880.37 22.05641 (15122801)
645041.01 4199880.37 23.12681 (15120208) 645141.01 4199880.37 24.16143 (17122817)
645241.01 4199880.37 24.54202 (15121522) 645341.01 4199880.37 25.92347 (17122818)
645441.01 4199880.37 25.99960 (17121502) 645541.01 4199880.37 25.52686 (17011603)
645641.01 4199880.37 24.57085 (17122420) 645741.01 4199880.37 25.11083 (17021904)
645841.01 4199880.37 24.30350 (17121920) 645941.01 4199880.37 22.94462 (17021418)
646041.01 4199880.37 20.92853 (17122220) 646141.01 4199880.37 19.56437 (17011220)
646241.01 4199880.37 18.86457 (17012606) 646341.01 4199880.37 16.49213 (17012606)
646441.01 4199880.37 15.91061 (17122517) 646541.01 4199880.37 14.88449 (17120117)
646641.01 4199880.37 14.35961 (17120117) 646741.01 4199880.37 13.69193 (17120117)
646841.01 4199880.37 13.43633 (17120117) 646941.01 4199880.37 13.19577 (17120117)
647041.01 4199880.37 12.73803 (17012607) 647141.01 4199880.37 12.47022 (17021419)
647241.01 4199880.37 12.33755 (17021419) 647341.01 4199880.37 11.92533 (17013121)
644341.01 4199980.37 16.94498 (17121205) 644441.01 4199980.37 18.48760 (17121205)

644541.01	4199980.37	18.76576	(17121205)	644641.01	4199980.37	19.53897	(14021403)
644741.01	4199980.37	21.46075	(17020902)	644841.01	4199980.37	23.01689	(15120820)
644941.01	4199980.37	24.09560	(15120519)	645041.01	4199980.37	25.87490	(13010518)
645141.01	4199980.37	26.96263	(16121304)	645241.01	4199980.37	28.19510	(15120819)
645341.01	4199980.37	28.64679	(14120120)	645441.01	4199980.37	30.01093	(17121502)
645541.01	4199980.37	29.29638	(17011603)	645641.01	4199980.37	28.19194	(17122420)
645741.01	4199980.37	28.46090	(17021904)	645841.01	4199980.37	26.74456	(17121920)
645941.01	4199980.37	25.07967	(17021418)	646041.01	4199980.37	22.87703	(17020820)
646141.01	4199980.37	21.76271	(17012606)	646241.01	4199980.37	19.42714	(17012606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	18.10917	(17122517)	646441.01	4199980.37	16.87269	(17120117)
646541.01	4199980.37	15.86617	(17120117)	646641.01	4199980.37	14.73167	(17120117)
646741.01	4199980.37	14.51177	(17122517)	646841.01	4199980.37	14.47775	(17120117)
646941.01	4199980.37	13.87559	(17012607)	647041.01	4199980.37	13.60062	(17021419)
647141.01	4199980.37	13.45592	(17021419)	647241.01	4199980.37	13.04480	(17013121)
647341.01	4199980.37	12.70424	(17121518)	644341.01	4200080.37	17.86314	(17011702)
644441.01	4200080.37	19.00726	(17011702)	644541.01	4200080.37	20.64264	(17121205)
644641.01	4200080.37	22.30801	(17121205)	644741.01	4200080.37	22.47768	(16020801)
644841.01	4200080.37	24.73337	(14021403)	644941.01	4200080.37	27.11422	(15120820)

645041.01 4200080.37 28.49425 (15120519) 645141.01 4200080.37 30.94476 (13010518)
645241.01 4200080.37 32.54952 (13022418) 645341.01 4200080.37 33.40999 (15121522)
645441.01 4200080.37 35.15685 (17122818) 645541.01 4200080.37 34.53113 (17122819)
645641.01 4200080.37 32.85816 (17122420) 645741.01 4200080.37 32.61990 (17021904)
645841.01 4200080.37 30.16596 (17122221) 645941.01 4200080.37 27.62890 (17122220)
646041.01 4200080.37 25.44826 (17011220) 646141.01 4200080.37 23.48969 (17012606)
646241.01 4200080.37 21.03361 (17122517) 646341.01 4200080.37 19.48572 (17120117)
646441.01 4200080.37 17.80960 (17120117) 646541.01 4200080.37 16.89036 (17012606)
646641.01 4200080.37 16.04205 (17122517) 646741.01 4200080.37 15.96786 (17120117)
646841.01 4200080.37 15.41045 (17120117) 646941.01 4200080.37 14.92987 (17021419)
647041.01 4200080.37 14.83718 (17021419) 647141.01 4200080.37 14.37058 (17013121)
647241.01 4200080.37 14.05025 (17121518) 647341.01 4200080.37 13.34884 (17121518)
644341.01 4200180.37 18.63461 (17121902) 644441.01 4200180.37 20.20073 (17120623)
644541.01 4200180.37 21.62229 (17011702) 644641.01 4200180.37 23.30206 (17011702)
644741.01 4200180.37 25.85340 (17121205) 644841.01 4200180.37 27.47951 (17121205)
644941.01 4200180.37 29.04157 (14021403) 645041.01 4200180.37 32.49680 (15120820)
645141.01 4200180.37 34.61996 (15120519) 645241.01 4200180.37 37.89010 (13010518)
645341.01 4200180.37 40.07773 (17122817) 645441.01 4200180.37 41.13235 (14120120)
645541.01 4200180.37 41.36195 (17121502) 645641.01 4200180.37 39.07895 (17122420)
645741.01 4200180.37 38.12622 (17121920) 645841.01 4200180.37 35.04600 (17021418)
645941.01 4200180.37 31.18518 (17020820) 646041.01 4200180.37 28.83366 (17012606)
646141.01 4200180.37 25.02787 (17122517) 646241.01 4200180.37 23.05066 (17120117)

646341.01 4200180.37 20.56355 (17013019) 646441.01 4200180.37 18.80545 (17012606)
646541.01 4200180.37 18.24560 (17012606) 646641.01 4200180.37 18.12912 (17122517)
646741.01 4200180.37 17.78961 (17120117) 646841.01 4200180.37 16.90031 (17012607)
646941.01 4200180.37 16.64542 (17021419) 647041.01 4200180.37 16.01777 (17013121)
647141.01 4200180.37 15.62187 (17121518) 647241.01 4200180.37 14.41508 (17121518)
647341.01 4200180.37 12.50815 (17121518) 644341.01 4200280.37 18.98932 (17020424)
644441.01 4200280.37 20.05248 (17121902) 644541.01 4200280.37 22.62052 (17121902)
644641.01 4200280.37 24.76547 (17120623) 644741.01 4200280.37 27.16491 (17120623)
644841.01 4200280.37 29.64276 (17011702) 644941.01 4200280.37 33.62560 (17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	34.85114	(16020801)	645141.01	4200280.37	40.01856	(17020902)
645241.01	4200280.37	43.69313	(15120519)	645341.01	4200280.37	48.18649	(15120208)
645441.01	4200280.37	50.72092	(15121522)	645541.01	4200280.37	52.60173	(17121502)
645641.01	4200280.37	47.76576	(17122420)	645741.01	4200280.37	46.02254	(17121920)
645841.01	4200280.37	40.20972	(17021418)	645941.01	4200280.37	35.48992	(17012606)
646041.01	4200280.37	30.62035	(17012606)	646141.01	4200280.37	28.00594	(17120117)
646241.01	4200280.37	24.69071	(17012607)	646341.01	4200280.37	22.43187	(17021419)
646441.01	4200280.37	22.24800	(17012606)	646541.01	4200280.37	21.20913	(17122517)
646641.01	4200280.37	20.95306	(17120117)	646741.01	4200280.37	19.70465	(17012607)

646841.01 4200280.37 19.15593 (17021419) 646941.01 4200280.37 18.32241 (17121518)
647041.01 4200280.37 17.51612 (17121518) 647141.01 4200280.37 15.42747 (17121518)
647241.01 4200280.37 12.59868 (17121518) 647341.01 4200280.37 11.82350 (17020503)
644341.01 4200380.37 19.44670 (17012721) 644441.01 4200380.37 21.24868 (17012721)
644541.01 4200380.37 23.19019 (17020424) 644641.01 4200380.37 25.42530 (17020424)
644741.01 4200380.37 27.90841 (17121902) 644841.01 4200380.37 31.74290 (17121902)
644941.01 4200380.37 35.81774 (17120623) 645041.01 4200380.37 39.87977 (17011702)
645141.01 4200380.37 46.27016 (17121205) 645241.01 4200380.37 50.95203 (14021403)
645341.01 4200380.37 58.43698 (15120519) 645441.01 4200380.37 66.16664 (13022418)
645541.01 4200380.37 69.10756 (17122818) 645641.01 4200380.37 62.25412 (17011604)
645741.01 4200380.37 55.83207 (17121920) 645841.01 4200380.37 46.63842 (17020820)
645941.01 4200380.37 40.28673 (17012606) 646041.01 4200380.37 35.01911 (17120117)
646141.01 4200380.37 30.43476 (17012607) 646241.01 4200380.37 27.10161 (17013121)
646341.01 4200380.37 25.30529 (17011220) 646441.01 4200380.37 25.29913 (17012606)
646541.01 4200380.37 25.30833 (17120117) 646641.01 4200380.37 23.85226 (17012607)
646741.01 4200380.37 22.82233 (17021419) 646841.01 4200380.37 21.67606 (17121518)
646941.01 4200380.37 19.75339 (17121518) 647041.01 4200380.37 16.12096 (17121518)
647141.01 4200380.37 14.36679 (17021005) 647241.01 4200380.37 13.69301 (17020503)
647341.01 4200380.37 12.73591 (17020503) 644341.01 4200480.37 19.63886 (17121802)
644441.01 4200480.37 21.39358 (17121802) 644541.01 4200480.37 23.21842 (17020501)
644641.01 4200480.37 25.71182 (17020501) 644741.01 4200480.37 29.07411 (17012721)
644841.01 4200480.37 32.46191 (17012721) 644941.01 4200480.37 36.96214 (17020424)

645041.01	4200480.37	42.71474	(17121902)	645141.01	4200480.37	50.56646	(17120623)
645241.01	4200480.37	59.21255	(17121205)	645341.01	4200480.37	70.54462	(17121205)
645441.01	4200480.37	85.99181	(15120519)	645541.01	4200480.37	99.32545	(17122817)
645641.01	4200480.37	89.32036	(14120724)	645741.01	4200480.37	70.84779	(17121920)
645841.01	4200480.37	56.15220	(17020820)	645941.01	4200480.37	46.60205	(17120117)
646041.01	4200480.37	39.52650	(17021419)	646141.01	4200480.37	34.94284	(17121518)
646241.01	4200480.37	30.02382	(17020820)	646341.01	4200480.37	32.47753	(17012606)
646441.01	4200480.37	32.04292	(17122517)	646541.01	4200480.37	30.49076	(17012607)
646641.01	4200480.37	28.47901	(17021419)	646741.01	4200480.37	26.60118	(17121518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	21.96645	(17121518)	646941.01	4200480.37	18.04443	(17021005)
647041.01	4200480.37	16.88904	(17020503)	647141.01	4200480.37	15.56383	(17021401)
647241.01	4200480.37	14.20560	(17021401)	647341.01	4200480.37	13.17853	(17012421)
644341.01	4200580.37	19.39806	(17122606)	644441.01	4200580.37	21.31573	(17122606)
644541.01	4200580.37	23.42605	(17122606)	644641.01	4200580.37	25.74852	(17122606)
644741.01	4200580.37	28.60193	(17121802)	644841.01	4200580.37	32.57697	(17121802)
644941.01	4200580.37	37.05053	(17121802)	645041.01	4200580.37	42.65108	(17020501)
645141.01	4200580.37	51.19467	(17012721)	645241.01	4200580.37	62.11116	(17020424)
645341.01	4200580.37	79.61802	(17121902)	645441.01	4200580.37	107.52042	(17121205)

645541.01	4200580.37	158.99776	(15120519)	645641.01	4200580.37	175.00162	(14120120)
645741.01	4200580.37	102.74218	(17122418)	645841.01	4200580.37	71.83712	(17020820)
645941.01	4200580.37	56.03107	(17121518)	646041.01	4200580.37	46.09710	(17121518)
646141.01	4200580.37	35.68005	(17121920)	646241.01	4200580.37	38.90815	(17012606)
646341.01	4200580.37	42.14565	(17122517)	646441.01	4200580.37	42.32634	(17012607)
646541.01	4200580.37	38.82938	(17013121)	646641.01	4200580.37	33.23468	(17121518)
646741.01	4200580.37	24.24909	(17021005)	646841.01	4200580.37	21.99605	(17021005)
646941.01	4200580.37	19.70290	(17021401)	647041.01	4200580.37	17.85459	(17122722)
647141.01	4200580.37	16.39343	(17012603)	647241.01	4200580.37	15.13908	(17012603)
647341.01	4200580.37	13.87798	(17012603)	644341.01	4200680.37	19.39127	(17122407)
644441.01	4200680.37	21.05954	(17122407)	644541.01	4200680.37	22.97146	(17122407)
644641.01	4200680.37	25.18020	(17122407)	644741.01	4200680.37	27.77297	(17122407)
644841.01	4200680.37	30.85134	(17122407)	644941.01	4200680.37	34.71295	(17122606)
645041.01	4200680.37	40.43560	(17122606)	645141.01	4200680.37	47.66893	(17122606)
645241.01	4200680.37	57.31020	(17122606)	645341.01	4200680.37	70.77848	(17121802)
645441.01	4200680.37	96.73775	(17121802)	645541.01	4200680.37	160.07198	(17122522)
645641.01	4200680.37	218.53349	(14060906)	645741.01	4200680.37	246.25867	(15022608)
645841.01	4200680.37	113.85101	(15021917)	645941.01	4200680.37	67.15533	(17121518)
646041.01	4200680.37	50.56856	(17021219)	646141.01	4200680.37	51.22985	(17020820)
646241.01	4200680.37	57.17738	(17122517)	646341.01	4200680.37	69.18088	(17120117)
646441.01	4200680.37	61.61541	(17121518)	646541.01	4200680.37	38.40684	(17121518)
646641.01	4200680.37	32.32796	(17021401)	646741.01	4200680.37	27.30524	(17122722)

646841.01	4200680.37	24.13379	(17012603)	646941.01	4200680.37	21.16771	(17012603)
647041.01	4200680.37	18.99659	(17011306)	647141.01	4200680.37	17.27381	(17011306)
647241.01	4200680.37	15.86791	(17021219)	647341.01	4200680.37	14.64075	(17021219)
644341.01	4200780.37	18.80781	(17121202)	644441.01	4200780.37	20.38624	(17121202)
644541.01	4200780.37	22.19625	(17121202)	644641.01	4200780.37	24.31508	(17121403)
644741.01	4200780.37	26.79168	(17121403)	644841.01	4200780.37	29.70316	(17121403)
644941.01	4200780.37	33.15818	(17121403)	645041.01	4200780.37	37.31218	(17121403)
645141.01	4200780.37	42.33440	(17120902)	645241.01	4200780.37	48.57001	(17120902)
645341.01	4200780.37	56.76208	(17122407)	645441.01	4200780.37	69.26156	(17122407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	91.79866	(17122606)	645641.01	4200780.37	166.83389	(17021006)
645741.01	4200780.37	191.75588	(14060906)	646041.01	4200780.37	81.16825	(14021403)
646141.01	4200780.37	121.05012	(15021917)	646241.01	4200780.37	179.85803	(15021917)
646341.01	4200780.37	105.98747	(17021005)	646441.01	4200780.37	61.64498	(17012603)
646541.01	4200780.37	44.97963	(17021219)	646641.01	4200780.37	36.79810	(17021219)
646741.01	4200780.37	30.84534	(17021219)	646841.01	4200780.37	26.35883	(17120917)
646941.01	4200780.37	23.11586	(17120917)	647041.01	4200780.37	20.49300	(17120917)
647141.01	4200780.37	18.33365	(17120917)	647241.01	4200780.37	16.52940	(17120917)
647341.01	4200780.37	15.00282	(17120917)	644341.01	4200880.37	18.62349	(17013108)

644441.01 4200880.37 20.13795 (17013108) 644541.01 4200880.37 21.81795 (17013108)
644641.01 4200880.37 23.69680 (17013108) 644741.01 4200880.37 25.78218 (17013108)
644841.01 4200880.37 28.11381 (17013108) 644941.01 4200880.37 30.74152 (17013108)
645041.01 4200880.37 33.79144 (17011619) 645141.01 4200880.37 37.36063 (17013108)
645241.01 4200880.37 41.84992 (17013108) 645341.01 4200880.37 47.84511 (17013108)
645441.01 4200880.37 57.17975 (17122119) 645541.01 4200880.37 71.75173 (17122119)
645641.01 4200880.37 97.21770 (17123022) 645741.01 4200880.37 173.33551 (17122603)
645841.01 4200880.37 167.36936 (14060906) 645941.01 4200880.37 115.14954 (17122521)
646041.01 4200880.37 242.84558 (17120702) 646141.01 4200880.37 210.82155 (17120905)
646241.01 4200880.37 172.79882 (14011919) 646341.01 4200880.37 91.53164 (14120622)
646441.01 4200880.37 63.91281 (14120622) 646541.01 4200880.37 48.35783 (13012418)
646641.01 4200880.37 38.61482 (13012418) 646741.01 4200880.37 31.96973 (16022422)
646841.01 4200880.37 27.30131 (16022422) 646941.01 4200880.37 23.73575 (16022422)
647041.01 4200880.37 20.92944 (16022422) 647141.01 4200880.37 18.66306 (16022422)
647241.01 4200880.37 16.79486 (16022422) 647341.01 4200880.37 15.22913 (16022422)
644341.01 4200980.37 17.97579 (17011619) 644441.01 4200980.37 19.15906 (17012503)
644541.01 4200980.37 20.63066 (17021502) 644641.01 4200980.37 22.19593 (17021502)
644741.01 4200980.37 23.85161 (17021502) 644841.01 4200980.37 25.60687 (17021502)
644941.01 4200980.37 27.63272 (17011524) 645041.01 4200980.37 29.90788 (17011524)
645141.01 4200980.37 32.60324 (17011524) 645241.01 4200980.37 36.24855 (17120103)
645341.01 4200980.37 41.33083 (17120103) 645441.01 4200980.37 48.72020 (17120103)
645541.01 4200980.37 59.80685 (17011524) 645641.01 4200980.37 77.87345 (17012402)

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       645741.01   4200980.37      111.20375  (17020508)              645841.01   4200980.37      163.57144
(17122118)
       645941.01   4200980.37      192.64130  (17011918)              646041.01   4200980.37      136.05279
(17122322)
       646141.01   4200980.37       90.13654  (17122322)              646241.01   4200980.37       69.40553
(16011522)
       646341.01   4200980.37       62.29479  (16011522)              646441.01   4200980.37       53.42910
(15010620)
       646541.01   4200980.37       44.35353  (16120318)              646641.01   4200980.37       37.07665
(13021318)
       646741.01   4200980.37       31.86279  (16012718)              646841.01   4200980.37       27.32064
(15021818)
       646941.01   4200980.37       23.76359  (13012502)              647041.01   4200980.37       20.90574
(13012502)
       647141.01   4200980.37       18.72645  (14120622)              647241.01   4200980.37       17.01005
(14120622)
       647341.01   4200980.37       15.50881  (14120622)              644341.01   4201080.37       17.11218
(17011524)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	18.27227	(17011524)	644541.01	4201080.37	19.41455	(17011524)
644641.01	4201080.37	20.73466	(17012402)	644741.01	4201080.37	22.25790	(17012402)
644841.01	4201080.37	23.73708	(17012402)	644941.01	4201080.37	25.28374	(17011123)
645041.01	4201080.37	27.16272	(17011123)	645141.01	4201080.37	29.50834	(17011123)
645241.01	4201080.37	32.55645	(17011123)	645341.01	4201080.37	36.66764	(17020508)
645441.01	4201080.37	41.96601	(17020508)	645541.01	4201080.37	49.21483	(17122118)
645641.01	4201080.37	59.76014	(17020721)	645741.01	4201080.37	61.09606	(17011108)
645841.01	4201080.37	76.34091	(17021304)	645941.01	4201080.37	90.88657	(17121820)
646041.01	4201080.37	85.56479	(17121323)	646141.01	4201080.37	73.89909	(17012922)

646241.01 4201080.37 60.64263 (17122322) 646341.01 4201080.37 49.19816 (17122322)
646441.01 4201080.37 43.23384 (14021118) 646541.01 4201080.37 38.53644 (16022321)
646641.01 4201080.37 33.91434 (15010620) 646741.01 4201080.37 29.73103 (15010620)
646841.01 4201080.37 26.05051 (16120318) 646941.01 4201080.37 23.11012 (16120318)
647041.01 4201080.37 20.63133 (13021318) 647141.01 4201080.37 18.59798 (16012718)
647241.01 4201080.37 16.94455 (16012718) 647341.01 4201080.37 15.38204 (16012718)
644341.01 4201180.37 16.48885 (17012402) 644441.01 4201180.37 17.40072 (17012402)
644541.01 4201180.37 18.52176 (17011123) 644641.01 4201180.37 19.56891 (17011123)
644741.01 4201180.37 20.75957 (17020508) 644841.01 4201180.37 21.90869 (17020508)
644941.01 4201180.37 23.07798 (17020508) 645041.01 4201180.37 24.32725 (17120521)
645141.01 4201180.37 26.16937 (17011523) 645241.01 4201180.37 28.68098 (17120823)
645341.01 4201180.37 31.98034 (17020721) 645441.01 4201180.37 35.63137 (17020721)
645541.01 4201180.37 36.95308 (17011108) 645641.01 4201180.37 36.74569 (17121417)
645741.01 4201180.37 43.78022 (17021222) 645841.01 4201180.37 52.05262 (17011607)
645941.01 4201180.37 57.70096 (17121905) 646041.01 4201180.37 61.51125 (17120123)
646141.01 4201180.37 56.04944 (17022507) 646241.01 4201180.37 50.04411 (17012922)
646341.01 4201180.37 44.75641 (17013119) 646441.01 4201180.37 39.87913 (17013119)
646541.01 4201180.37 34.33372 (17122322) 646641.01 4201180.37 30.41723 (14021118)
646741.01 4201180.37 27.47238 (16022321) 646841.01 4201180.37 24.54588 (14021424)
646941.01 4201180.37 22.20320 (15010620) 647041.01 4201180.37 19.88368 (15010620)
647141.01 4201180.37 17.88608 (16010222) 647241.01 4201180.37 16.40968 (16120318)
647341.01 4201180.37 14.94286 (16120318) 644341.01 4201280.37 15.75182 (17020508)

644441.01 4201280.37 16.62043 (17020508) 644541.01 4201280.37 17.33012 (17020508)
644641.01 4201280.37 18.20036 (17120521) 644741.01 4201280.37 19.17443 (17120823)
644841.01 4201280.37 20.22453 (17020721) 644941.01 4201280.37 21.36483 (17020721)
645041.01 4201280.37 22.67253 (17020721) 645141.01 4201280.37 24.15379 (17020721)
645241.01 4201280.37 25.19426 (17020721) 645341.01 4201280.37 25.86403 (17011108)
645441.01 4201280.37 24.58153 (17122723) 645541.01 4201280.37 27.13658 (17020407)
645641.01 4201280.37 30.36536 (17121417) 645741.01 4201280.37 34.71663 (17021222)
645841.01 4201280.37 40.96137 (17120719) 645941.01 4201280.37 43.27091 (17021304)
646041.01 4201280.37 46.06662 (17121820) 646141.01 4201280.37 44.70802 (17120123)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	41.38170	(17022507)	646341.01	4201280.37	37.44141	(17123004)
646441.01	4201280.37	35.25921	(17012922)	646541.01	4201280.37	32.71818	(17013119)
646641.01	4201280.37	29.40264	(17013119)	646741.01	4201280.37	24.97871	(17122322)
646841.01	4201280.37	22.83715	(14021118)	646941.01	4201280.37	20.96020	(14021118)
647041.01	4201280.37	18.88700	(16011522)	647141.01	4201280.37	17.31422	(14021424)
647241.01	4201280.37	15.99273	(15010620)	647341.01	4201280.37	14.57476	(15010620)
644341.01	4201380.37	14.86258	(17120521)	644441.01	4201380.37	15.61654	(17120823)
644541.01	4201380.37	16.44114	(17120823)	644641.01	4201380.37	17.41297	(17020721)
644741.01	4201380.37	18.25706	(17020721)	644841.01	4201380.37	18.93922	(17020721)

644941.01 4201380.37 19.44547 (17020721) 645041.01 4201380.37 19.61914 (17011108)
645141.01 4201380.37 20.02067 (17011108) 645241.01 4201380.37 19.16800 (17011108)
645341.01 4201380.37 19.29911 (17121506) 645441.01 4201380.37 21.85273 (17122723)
645541.01 4201380.37 23.97846 (17121417) 645641.01 4201380.37 25.53124 (17012906)
645741.01 4201380.37 28.38698 (17021222) 645841.01 4201380.37 33.68936 (17120719)
645941.01 4201380.37 35.88575 (17021304) 646041.01 4201380.37 35.48268 (17121905)
646141.01 4201380.37 36.27595 (17121820) 646241.01 4201380.37 34.83229 (17012707)
646341.01 4201380.37 32.67130 (17022507) 646441.01 4201380.37 30.34606 (17123004)
646541.01 4201380.37 28.80887 (17012922) 646641.01 4201380.37 26.70708 (17013119)
646741.01 4201380.37 25.37126 (17013119) 646841.01 4201380.37 22.40416 (17122322)
646941.01 4201380.37 19.45424 (14022421) 647041.01 4201380.37 17.93528 (14021118)
647141.01 4201380.37 16.71650 (14021118) 647241.01 4201380.37 15.24304 (16011522)
647341.01 4201380.37 14.08788 (14021424) 644341.01 4201480.37 14.22920 (17120823)
644441.01 4201480.37 15.15455 (17020721) 644541.01 4201480.37 15.80273 (17020721)
644641.01 4201480.37 16.18344 (17020721) 644741.01 4201480.37 16.27873 (17020721)
644841.01 4201480.37 16.54670 (17011108) 644941.01 4201480.37 16.53315 (17011108)
645041.01 4201480.37 15.82625 (17011108) 645141.01 4201480.37 15.05016 (17022120)
645241.01 4201480.37 15.87984 (17011124) 645341.01 4201480.37 17.95836 (17122723)
645441.01 4201480.37 19.21796 (17013102) 645541.01 4201480.37 21.56490 (17121417)
645641.01 4201480.37 22.33514 (17012906) 645741.01 4201480.37 24.01241 (17020906)
645841.01 4201480.37 28.29266 (17120719) 645941.01 4201480.37 29.56229 (17021304)
646041.01 4201480.37 27.94482 (17021304) 646141.01 4201480.37 30.02116 (17121820)

646241.01	4201480.37	29.71741	(17120123)	646341.01	4201480.37	28.18960	(17012707)
646441.01	4201480.37	26.93220	(17022507)	646541.01	4201480.37	25.41099	(17011918)
646641.01	4201480.37	23.84612	(17012922)	646741.01	4201480.37	22.98370	(17012922)
646841.01	4201480.37	21.77003	(17013119)	646941.01	4201480.37	20.02506	(17013119)
647041.01	4201480.37	17.50814	(17122322)	647141.01	4201480.37	15.65366	(14022421)
647241.01	4201480.37	14.57072	(13121418)	647341.01	4201480.37	13.74685	(14021118)
644341.01	4201580.37	13.82952	(17020721)	644441.01	4201580.37	14.05910	(17020721)
644541.01	4201580.37	14.19742	(17011108)	644641.01	4201580.37	14.37587	(17011108)
644741.01	4201580.37	14.21527	(17011108)	644841.01	4201580.37	13.57863	(17011108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	12.85690	(17120620)	645041.01	4201580.37	13.41315	(17022120)
645141.01	4201580.37	13.92086	(17120101)	645241.01	4201580.37	14.97880	(17121506)
645341.01	4201580.37	16.70523	(17122723)	645441.01	4201580.37	17.55149	(17020407)
645541.01	4201580.37	19.41505	(17121417)	645641.01	4201580.37	19.78313	(17012906)
645741.01	4201580.37	21.03639	(17020906)	645841.01	4201580.37	24.09396	(17120719)
645941.01	4201580.37	24.68299	(17122703)	646041.01	4201580.37	25.46732	(17021304)
646141.01	4201580.37	24.99467	(17121905)	646241.01	4201580.37	25.96105	(17121820)
646341.01	4201580.37	25.23136	(17120123)	646441.01	4201580.37	23.52822	(17012707)
646541.01	4201580.37	22.88393	(17022507)	646641.01	4201580.37	21.75248	(17011918)

646741.01 4201580.37 20.28794 (17010908) 646841.01 4201580.37 19.96095 (17012922)
646941.01 4201580.37 18.60345 (17013119) 647041.01 4201580.37 17.86192 (17013119)
647141.01 4201580.37 16.07588 (17122322) 647241.01 4201580.37 13.95284 (17122322)
647341.01 4201580.37 12.94820 (13012503) 644341.01 4201680.37 12.56608 (17011108)
644441.01 4201680.37 12.71323 (17011108) 644541.01 4201680.37 12.52945 (17011108)
644641.01 4201680.37 11.97294 (17011108) 644741.01 4201680.37 11.18173 (17120620)
644841.01 4201680.37 11.61212 (17120221) 644941.01 4201680.37 12.06679 (17020405)
645041.01 4201680.37 12.49799 (17022120) 645141.01 4201680.37 13.00915 (17011124)
645241.01 4201680.37 14.04830 (17121506) 645341.01 4201680.37 15.32749 (17122723)
645441.01 4201680.37 16.03112 (17020101) 645541.01 4201680.37 17.53444 (17121417)
645641.01 4201680.37 17.72306 (17012906) 645741.01 4201680.37 18.71641 (17020906)
645841.01 4201680.37 21.13309 (17021222) 645941.01 4201680.37 21.65340 (17011706)
646041.01 4201680.37 22.74889 (17021304) 646141.01 4201680.37 20.26017 (17120204)
646241.01 4201680.37 22.27256 (17121905) 646341.01 4201680.37 22.05665 (17121820)
646441.01 4201680.37 21.62981 (17120123) 646541.01 4201680.37 20.10187 (17012707)
646641.01 4201680.37 19.85015 (17022507) 646741.01 4201680.37 18.91594 (17011918)
646841.01 4201680.37 17.80543 (17123004) 646941.01 4201680.37 17.41448 (17012922)
647041.01 4201680.37 16.38085 (17012922) 647141.01 4201680.37 15.81478 (17013119)
647241.01 4201680.37 14.72204 (17013119) 647341.01 4201680.37 13.17825 (17122322)
644341.01 4201780.37 11.22064 (17011108) 644441.01 4201780.37 10.75022 (17011108)
644541.01 4201780.37 9.93322 (17011108) 644641.01 4201780.37 10.18699 (17120620)
644741.01 4201780.37 10.55900 (17120221) 644841.01 4201780.37 10.94742 (17020405)

644941.01 4201780.37 11.34061 (17022120) 645041.01 4201780.37 11.72823 (17120101)
645141.01 4201780.37 12.29009 (17121506) 645241.01 4201780.37 13.47021 (17122723)
645341.01 4201780.37 14.01881 (17122723) 645441.01 4201780.37 14.89064 (17121921)
645541.01 4201780.37 15.91737 (17121417) 645641.01 4201780.37 16.02582 (17012906)
645741.01 4201780.37 16.86416 (17020906) 645841.01 4201780.37 18.74597 (17021222)
645941.01 4201780.37 19.53293 (17120719) 646041.01 4201780.37 19.97431 (17021304)
646141.01 4201780.37 19.06174 (17021304) 646241.01 4201780.37 19.12683 (17121905)
646341.01 4201780.37 19.83319 (17121820) 646441.01 4201780.37 19.15298 (17011707)
646541.01 4201780.37 18.72169 (17120123) 646641.01 4201780.37 17.56497 (17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	17.43541	(17022507)	646841.01	4201780.37	16.63619	(17011918)
646941.01	4201780.37	15.83216	(17123004)	647041.01	4201780.37	15.24713	(17012922)
647141.01	4201780.37	14.75241	(17012922)	647241.01	4201780.37	13.92301	(17013119)
647341.01	4201780.37	13.42398	(17013119)	644341.01	4201880.37	9.10488	(17011108)
644441.01	4201880.37	8.86158	(17120620)	644541.01	4201880.37	9.31534	(17120620)
644641.01	4201880.37	9.65200	(17120221)	644741.01	4201880.37	9.98860	(17020405)
644841.01	4201880.37	10.34882	(17022120)	644941.01	4201880.37	10.67154	(17120101)
645041.01	4201880.37	11.06843	(17011124)	645141.01	4201880.37	11.74506	(17121506)
645241.01	4201880.37	12.71774	(17122723)	645341.01	4201880.37	13.06384	(17013102)

645441.01	4201880.37	13.88629	(17121921)	645541.01	4201880.37	14.50191 (17121417)
645641.01	4201880.37	14.58316	(17012906)	645741.01	4201880.37	15.29584 (17020906)
645841.01	4201880.37	16.77755	(17021222)	645941.01	4201880.37	17.70879 (17120719)
646041.01	4201880.37	17.58748	(17011607)	646141.01	4201880.37	17.89574 (17021304)
646241.01	4201880.37	16.00622	(17120204)	646341.01	4201880.37	17.61937 (17121905)
646441.01	4201880.37	17.76005	(17121820)	646541.01	4201880.37	17.15141 (17120123)
646641.01	4201880.37	16.64899	(17012707)	646741.01	4201880.37	15.71910 (17022507)
646841.01	4201880.37	15.51495	(17022507)	646941.01	4201880.37	14.79680 (17011918)
647041.01	4201880.37	14.20890	(17123004)	647141.01	4201880.37	13.50592 (17010908)
647241.01	4201880.37	13.29309	(17012922)	647341.01	4201880.37	12.27914 (17012922)
644341.01	4201980.37	8.20838	(17120620)	644441.01	4201980.37	8.54473 (17120620)
644541.01	4201980.37	8.86403	(17120221)	644641.01	4201980.37	9.15784 (17020405)
644741.01	4201980.37	9.48867	(17022120)	644841.01	4201980.37	9.72906 (17120101)
644941.01	4201980.37	10.01887	(17011124)	645041.01	4201980.37	10.45207 (17121506)
645141.01	4201980.37	11.24495	(17122723)	645241.01	4201980.37	11.88643 (17122723)
645341.01	4201980.37	12.20195	(17013102)	645441.01	4201980.37	12.97566 (17121417)
645541.01	4201980.37	13.30961	(17121417)	645641.01	4201980.37	13.41317 (17012906)
645741.01	4201980.37	14.05411	(17020906)	645841.01	4201980.37	15.14826 (17021222)
645941.01	4201980.37	16.10328	(17120719)	646041.01	4201980.37	15.75818 (17122703)
646141.01	4201980.37	16.48434	(17021304)	646241.01	4201980.37	15.07234 (17021304)
646341.01	4201980.37	15.41582	(17121905)	646441.01	4201980.37	15.84159 (17121820)
646541.01	4201980.37	15.72562	(17121820)	646641.01	4201980.37	15.48952 (17120123)

646741.01 4201980.37 14.91073 (17012707) 646841.01 4201980.37 14.20097 (17022507)
646941.01 4201980.37 13.93971 (17022507) 647041.01 4201980.37 13.29271 (17011918)
647141.01 4201980.37 12.85056 (17123004) 647241.01 4201980.37 12.18729 (17010908)
647341.01 4201980.37 12.00856 (17012922) 644341.01 4202080.37 7.87892 (17010204)
644441.01 4202080.37 8.17273 (17120221) 644541.01 4202080.37 8.43301 (17020405)
644641.01 4202080.37 8.73679 (17022120) 644741.01 4202080.37 8.91264 (17010205)
644841.01 4202080.37 9.24425 (17120101) 644941.01 4202080.37 9.59155 (17011124)
645041.01 4202080.37 10.08390 (17121506) 645141.01 4202080.37 10.80997 (17122723)
645241.01 4202080.37 11.05915 (17122723) 645341.01 4202080.37 11.44369 (17020101)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	12.21647	(17121417)	645541.01	4202080.37	12.28607	(17121417)
645641.01	4202080.37	12.40199	(17012906)	645741.01	4202080.37	12.96874	(17020906)
645841.01	4202080.37	13.73152	(17021222)	645941.01	4202080.37	14.64169	(17120719)
646041.01	4202080.37	14.45391	(17011706)	646141.01	4202080.37	14.98066	(17021304)
646241.01	4202080.37	14.48492	(17021304)	646341.01	4202080.37	13.14446	(17120204)
646441.01	4202080.37	14.49611	(17121905)	646541.01	4202080.37	14.63869	(17121820)
646641.01	4202080.37	14.07509	(17011707)	646741.01	4202080.37	13.99417	(17120123)
646841.01	4202080.37	13.39851	(17012707)	646941.01	4202080.37	12.90666	(17022507)
647041.01	4202080.37	12.59289	(17022507)	647141.01	4202080.37	12.01773	(17120701)

647241.01 4202080.37 11.67629 (17123004) 647341.01 4202080.37 11.04182 (17010908)
644341.01 4202180.37 7.56211 (17120221) 644441.01 4202180.37 7.79624 (17020405)
644541.01 4202180.37 8.07556 (17022120) 644641.01 4202180.37 8.24592 (17010205)
644741.01 4202180.37 8.54026 (17120101) 644841.01 4202180.37 8.80579 (17011124)
644941.01 4202180.37 9.09247 (17121506) 645041.01 4202180.37 9.61327 (17122723)
645141.01 4202180.37 10.28137 (17122723) 645241.01 4202180.37 10.44347 (17121822)
645341.01 4202180.37 10.84118 (17020101) 645441.01 4202180.37 11.48777 (17121417)
645541.01 4202180.37 11.35131 (17121417) 645641.01 4202180.37 11.51226 (17012906)
645741.01 4202180.37 12.03515 (17020906) 645841.01 4202180.37 12.51080 (17021222)
645941.01 4202180.37 13.34012 (17120719) 646041.01 4202180.37 13.51840 (17120719)
646141.01 4202180.37 13.58171 (17011607) 646241.01 4202180.37 13.73005 (17021304)
646341.01 4202180.37 12.26665 (17021304) 646441.01 4202180.37 12.82853 (17121905)
646541.01 4202180.37 13.27250 (17121905) 646641.01 4202180.37 13.33319 (17121820)
646741.01 4202180.37 12.82142 (17011707) 646841.01 4202180.37 12.64368 (17120123)
646941.01 4202180.37 12.07547 (17012707) 647041.01 4202180.37 11.79456 (17022507)
647141.01 4202180.37 11.44321 (17022507) 647241.01 4202180.37 10.95981 (17120701)
647341.01 4202180.37 10.66600 (17123004) 644341.01 4202280.37 7.23347 (17020405)
644441.01 4202280.37 7.48480 (17022120) 644541.01 4202280.37 7.64461 (17010205)
644641.01 4202280.37 7.90896 (17120101) 644741.01 4202280.37 8.07573 (17011124)
644841.01 4202280.37 8.37920 (17011124) 644941.01 4202280.37 8.82960 (17121506)
645041.01 4202280.37 9.37051 (17122723) 645141.01 4202280.37 9.67655 (17122723)
645241.01 4202280.37 9.92104 (17121822) 645341.01 4202280.37 10.30188 (17121921)

645441.01	4202280.37	10.79086	(17121417)	645541.01	4202280.37	10.50377	(17121417)
645641.01	4202280.37	10.72768	(17012906)	645741.01	4202280.37	11.21725	(17020906)
645841.01	4202280.37	11.44700	(17021222)	645941.01	4202280.37	12.30105	(17021222)
646041.01	4202280.37	12.67084	(17120719)	646141.01	4202280.37	12.29810	(17122703)
646241.01	4202280.37	12.85319	(17021304)	646341.01	4202280.37	11.98013	(17021304)
646441.01	4202280.37	11.09483	(17120204)	646541.01	4202280.37	12.24222	(17121905)
646641.01	4202280.37	12.31134	(17121820)	646741.01	4202280.37	12.03856	(17121820)
646841.01	4202280.37	11.85298	(17120123)	646941.01	4202280.37	11.51518	(17012707)
647041.01	4202280.37	10.90791	(17012707)	647141.01	4202280.37	10.83093	(17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002411 , L0002412 , L0002413 , L0002414 , L0002415 ,
L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 , L0002422 , L0002423 ,
L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 , L0002430 , L0002431 ,
L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , L0002437 , L0002438 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	10.45178	(17022507)	647341.01	4202280.37	10.04740	(17120701)
645946.01	4200731.54	77.53374	(17013023)	645933.67	4200896.54	130.62746	(15021917)
645889.89	4200889.80	131.92738	(15021917)	645847.24	4200866.23	136.59373	(15021917)
645697.97	4200718.07	190.56507	(14060906)	645704.70	4200712.46	200.59819	(14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	8.39575	(14120622)	646506.52	4202111.83	14.34682	(17121905)
645939.20	4200707.16	76.32171	(17021219)	644341.01	4199280.37	11.60621	(15120519)
644441.01	4199280.37	12.02579	(13010518)	644541.01	4199280.37	12.34500	(15120208)
644641.01	4199280.37	12.72155	(13022418)	644741.01	4199280.37	13.09200	(17122817)
644841.01	4199280.37	13.15830	(15120819)	644941.01	4199280.37	13.48746	(14020221)
645041.01	4199280.37	13.89071	(14120120)	645141.01	4199280.37	14.48980	(17122818)
645241.01	4199280.37	14.72946	(17121502)	645341.01	4199280.37	14.67668	(17122819)
645441.01	4199280.37	14.57579	(17011603)	645541.01	4199280.37	14.14972	(17122420)
645641.01	4199280.37	13.93928	(17122707)	645741.01	4199280.37	14.52739	(17021904)

645841.01 4199280.37 14.37468 (17121817) 645941.01 4199280.37 14.61730 (17121920)
646041.01 4199280.37 13.69928 (17120606) 646141.01 4199280.37 13.77519 (17021418)
646241.01 4199280.37 12.87360 (17122220) 646341.01 4199280.37 12.50205 (17020820)
646441.01 4199280.37 11.79676 (17121519) 646541.01 4199280.37 11.88652 (17011220)
646641.01 4199280.37 11.73887 (17012606) 646741.01 4199280.37 11.31046 (17012606)
646841.01 4199280.37 10.58732 (17012606) 646941.01 4199280.37 9.98513 (17122517)
647041.01 4199280.37 10.13789 (17122517) 647141.01 4199280.37 9.89506 (17122517)
647241.01 4199280.37 9.58234 (17120117) 647341.01 4199280.37 9.55606 (17120117)
644341.01 4199380.37 12.06218 (15120519) 644441.01 4199380.37 12.68717 (15120519)
644541.01 4199380.37 13.19586 (13010518) 644641.01 4199380.37 13.52715 (15120208)
644741.01 4199380.37 14.04016 (13022418) 644841.01 4199380.37 14.44062 (15120819)
644941.01 4199380.37 14.61752 (15121522) 645041.01 4199380.37 14.67540 (16012622)
645141.01 4199380.37 15.71901 (17122818) 645241.01 4199380.37 15.85012 (17121502)
645341.01 4199380.37 15.75350 (17122819) 645441.01 4199380.37 15.81226 (17011603)
645541.01 4199380.37 15.25213 (17122706) 645641.01 4199380.37 15.06931 (17122707)
645741.01 4199380.37 15.73250 (17021904) 645841.01 4199380.37 15.51526 (17121920)
645941.01 4199380.37 15.50807 (17121920) 646041.01 4199380.37 14.83989 (17122221)
646141.01 4199380.37 14.50496 (17021418) 646241.01 4199380.37 13.78970 (17122220)
646341.01 4199380.37 13.11897 (17020820) 646441.01 4199380.37 12.75291 (17011220)
646541.01 4199380.37 12.56328 (17012606) 646641.01 4199380.37 12.22381 (17012606)
646741.01 4199380.37 11.48632 (17012606) 646841.01 4199380.37 10.61012 (17122517)
646941.01 4199380.37 10.78090 (17122517) 647041.01 4199380.37 10.57644 (17122517)

647141.01	4199380.37	10.21929	(17120117)	647241.01	4199380.37	10.19061	(17120117)
647341.01	4199380.37	9.79635	(17120117)	644341.01	4199480.37	12.77780	(14022024)
644441.01	4199480.37	13.25339	(15120519)	644541.01	4199480.37	13.95301	(15120519)
644641.01	4199480.37	14.55003	(13010518)	644741.01	4199480.37	14.84216	(15120208)
644841.01	4199480.37	15.42841	(13022418)	644941.01	4199480.37	15.85083	(15120819)
645041.01	4199480.37	16.04428	(14020221)	645141.01	4199480.37	16.54937	(14120120)
645241.01	4199480.37	16.92603	(17122818)	645341.01	4199480.37	17.07770	(17121502)
645441.01	4199480.37	17.12400	(17011603)	645541.01	4199480.37	16.60584	(17011604)
645641.01	4199480.37	16.42374	(17122420)	645741.01	4199480.37	17.12991	(17021904)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	17.03169	(17121920)	645941.01	4199480.37	16.42177	(17121920)
646041.01	4199480.37	16.08143	(17122221)	646141.01	4199480.37	15.08639	(17021418)
646241.01	4199480.37	14.50269	(17020820)	646341.01	4199480.37	13.60594	(17121519)
646441.01	4199480.37	13.54548	(17011220)	646541.01	4199480.37	13.29321	(17012606)
646641.01	4199480.37	12.46531	(17012606)	646741.01	4199480.37	11.60998	(17012606)
646841.01	4199480.37	11.53244	(17122517)	646941.01	4199480.37	11.29359	(17122517)
647041.01	4199480.37	10.93140	(17120117)	647141.01	4199480.37	10.88731	(17120117)
647241.01	4199480.37	10.49798	(17120117)	647341.01	4199480.37	9.99428	(17013019)
644341.01	4199580.37	13.69524	(15120820)	644441.01	4199580.37	14.07013	(14022024)

644541.01 4199580.37 14.66885 (15120519) 644641.01 4199580.37 15.45250 (15120519)
644741.01 4199580.37 16.12626 (13010518) 644841.01 4199580.37 16.57234 (16121304)
644941.01 4199580.37 17.26293 (17122817) 645041.01 4199580.37 17.52688 (15121522)
645141.01 4199580.37 17.67609 (16012622) 645241.01 4199580.37 18.95404 (17122818)
645341.01 4199580.37 19.11729 (17121502) 645441.01 4199580.37 18.84117 (17122819)
645541.01 4199580.37 18.36757 (17011604) 645641.01 4199580.37 18.05558 (17122420)
645741.01 4199580.37 18.76591 (17021904) 645841.01 4199580.37 18.73505 (17121920)
645941.01 4199580.37 17.34639 (17121920) 646041.01 4199580.37 17.41923 (17021418)
646141.01 4199580.37 16.23512 (17122220) 646241.01 4199580.37 15.36417 (17020820)
646341.01 4199580.37 14.88849 (17011220) 646441.01 4199580.37 14.56739 (17012606)
646541.01 4199580.37 13.62917 (17012606) 646641.01 4199580.37 12.62082 (17012606)
646741.01 4199580.37 12.39024 (17122517) 646841.01 4199580.37 12.10990 (17122517)
646941.01 4199580.37 11.71846 (17120117) 647041.01 4199580.37 11.65084 (17120117)
647141.01 4199580.37 11.27420 (17120117) 647241.01 4199580.37 10.74249 (17012607)
647341.01 4199580.37 10.51628 (17012607) 644341.01 4199680.37 14.19302 (17020902)
644441.01 4199680.37 15.19644 (15120820) 644541.01 4199680.37 15.59686 (14022024)
644641.01 4199680.37 16.37619 (15120519) 644741.01 4199680.37 17.29628 (15122801)
644841.01 4199680.37 17.97016 (13010518) 644941.01 4199680.37 18.80671 (13022418)
645041.01 4199680.37 19.47249 (15120819) 645141.01 4199680.37 19.63165 (14020221)
645241.01 4199680.37 20.55836 (17122818) 645341.01 4199680.37 21.06648 (17121502)
645441.01 4199680.37 21.01867 (17122819) 645541.01 4199680.37 20.40975 (17011604)
645641.01 4199680.37 20.01169 (17122420) 645741.01 4199680.37 20.70154 (17021904)

645841.01 4199680.37 20.64346 (17121920) 645941.01 4199680.37 19.05737 (17120606)
646041.01 4199680.37 18.62499 (17021418) 646141.01 4199680.37 17.35257 (17122220)
646241.01 4199680.37 16.21609 (17011220) 646341.01 4199680.37 16.02920 (17012606)
646441.01 4199680.37 15.12556 (17012606) 646541.01 4199680.37 13.74694 (17012606)
646641.01 4199680.37 13.44578 (17122517) 646741.01 4199680.37 12.99756 (17122517)
646841.01 4199680.37 12.65331 (17120117) 646941.01 4199680.37 12.47131 (17120117)
647041.01 4199680.37 12.13215 (17120117) 647141.01 4199680.37 11.57581 (17012607)
647241.01 4199680.37 11.30630 (17012607) 647341.01 4199680.37 10.97139 (17021419)
644341.01 4199780.37 14.59042 (17012723) 644441.01 4199780.37 15.76957 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	16.93328	(15120820)	644641.01	4199780.37	17.42447	(14022024)
644741.01	4199780.37	18.47289	(15120519)	644841.01	4199780.37	19.55852	(15122801)
644941.01	4199780.37	20.50103	(15120208)	645041.01	4199780.37	21.38198	(13022418)
645141.01	4199780.37	21.70518	(15120819)	645241.01	4199780.37	22.13798	(14120120)
645341.01	4199780.37	23.37136	(17122818)	645441.01	4199780.37	23.26363	(17122819)
645541.01	4199780.37	23.00809	(17011603)	645641.01	4199780.37	22.39077	(17122420)
645741.01	4199780.37	23.01854	(17021904)	645841.01	4199780.37	22.77224	(17121920)
645941.01	4199780.37	21.26969	(17122221)	646041.01	4199780.37	19.64980	(17122220)
646141.01	4199780.37	18.63285	(17020820)	646241.01	4199780.37	17.82356	(17011220)

646341.01 4199780.37 17.08274 (17012606) 646441.01 4199780.37 15.21060 (17012606)
646541.01 4199780.37 14.77240 (17122517) 646641.01 4199780.37 14.06836 (17122517)
646741.01 4199780.37 13.70848 (17120117) 646841.01 4199780.37 13.39166 (17120117)
646941.01 4199780.37 13.06379 (17120117) 647041.01 4199780.37 12.49665 (17012607)
647141.01 4199780.37 12.20255 (17012607) 647241.01 4199780.37 11.95978 (17021419)
647341.01 4199780.37 11.78173 (17021419) 644341.01 4199880.37 16.22483 (17121205)
644441.01 4199880.37 16.27836 (16020801) 644541.01 4199880.37 17.67895 (14021403)
644641.01 4199880.37 19.11021 (17020902) 644741.01 4199880.37 19.99906 (15120820)
644841.01 4199880.37 21.10471 (15120519) 644941.01 4199880.37 22.42072 (13010518)
645041.01 4199880.37 23.54411 (15120208) 645141.01 4199880.37 24.67600 (17122817)
645241.01 4199880.37 25.12487 (15121522) 645341.01 4199880.37 26.57477 (17122818)
645441.01 4199880.37 26.74972 (17121502) 645541.01 4199880.37 26.26202 (17011603)
645641.01 4199880.37 25.33104 (17122420) 645741.01 4199880.37 25.82800 (17021904)
645841.01 4199880.37 25.13303 (17121920) 645941.01 4199880.37 23.64579 (17021418)
646041.01 4199880.37 21.65602 (17122220) 646141.01 4199880.37 20.10079 (17011220)
646241.01 4199880.37 19.53664 (17012606) 646341.01 4199880.37 17.30815 (17012606)
646441.01 4199880.37 16.48121 (17122517) 646541.01 4199880.37 15.41184 (17122517)
646641.01 4199880.37 15.00526 (17120117) 646741.01 4199880.37 14.41998 (17120117)
646841.01 4199880.37 14.09685 (17120117) 646941.01 4199880.37 13.57215 (17120117)
647041.01 4199880.37 13.23748 (17012607) 647141.01 4199880.37 13.04574 (17021419)
647241.01 4199880.37 12.76512 (17021419) 647341.01 4199880.37 12.35326 (17013121)
644341.01 4199980.37 17.08064 (17121205) 644441.01 4199980.37 18.62787 (17121205)

644541.01 4199980.37 18.87531 (17121205) 644641.01 4199980.37 19.75316 (14021403)
644741.01 4199980.37 21.71952 (17020902) 644841.01 4199980.37 23.27880 (15120820)
644941.01 4199980.37 24.49933 (15120519) 645041.01 4199980.37 26.36152 (13010518)
645141.01 4199980.37 27.53763 (16121304) 645241.01 4199980.37 28.87783 (15120819)
645341.01 4199980.37 29.33917 (14120120) 645441.01 4199980.37 30.78972 (17121502)
645541.01 4199980.37 30.06392 (17011603) 645641.01 4199980.37 29.03761 (17122420)
645741.01 4199980.37 29.30717 (17021904) 645841.01 4199980.37 27.73785 (17121920)
645941.01 4199980.37 25.99407 (17021418) 646041.01 4199980.37 23.69779 (17020820)
646141.01 4199980.37 22.37482 (17012606) 646241.01 4199980.37 20.32332 (17012606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	18.71555	(17122517)	646441.01	4199980.37	17.39854	(17120117)
646541.01	4199980.37	16.59058	(17120117)	646641.01	4199980.37	15.55594	(17120117)
646741.01	4199980.37	15.23023	(17120117)	646841.01	4199980.37	14.98364	(17120117)
646941.01	4199980.37	14.46651	(17012607)	647041.01	4199980.37	14.27322	(17021419)
647141.01	4199980.37	13.90972	(17021419)	647241.01	4199980.37	13.49452	(17013121)
647341.01	4199980.37	13.16851	(17121518)	644341.01	4200080.37	17.99790	(17011702)
644441.01	4200080.37	19.14464	(17011702)	644541.01	4200080.37	20.83696	(17121205)
644641.01	4200080.37	22.49595	(17121205)	644741.01	4200080.37	22.66999	(16020801)
644841.01	4200080.37	25.03001	(14021403)	644941.01	4200080.37	27.49393	(15120820)

645041.01 4200080.37 29.03234 (15120519) 645141.01 4200080.37 31.60091 (13010518)
645241.01 4200080.37 33.34906 (13022418) 645341.01 4200080.37 34.31325 (15121522)
645441.01 4200080.37 36.19137 (17122818) 645541.01 4200080.37 35.55880 (17122819)
645641.01 4200080.37 33.80391 (17122420) 645741.01 4200080.37 33.63502 (17021904)
645841.01 4200080.37 30.85325 (17122221) 645941.01 4200080.37 28.46034 (17122220)
646041.01 4200080.37 26.18507 (17011220) 646141.01 4200080.37 24.44815 (17012606)
646241.01 4200080.37 21.67786 (17122517) 646341.01 4200080.37 20.08788 (17120117)
646441.01 4200080.37 18.63873 (17120117) 646541.01 4200080.37 17.23831 (17012607)
646641.01 4200080.37 16.72090 (17122517) 646741.01 4200080.37 16.65970 (17120117)
646841.01 4200080.37 15.97053 (17012607) 646941.01 4200080.37 15.72032 (17021419)
647041.01 4200080.37 15.30470 (17021419) 647141.01 4200080.37 14.87411 (17121518)
647241.01 4200080.37 14.51356 (17121518) 647341.01 4200080.37 13.54071 (17121518)
644341.01 4200180.37 18.78135 (17121902) 644441.01 4200180.37 20.36968 (17120623)
644541.01 4200180.37 21.81916 (17011702) 644641.01 4200180.37 23.50247 (17011702)
644741.01 4200180.37 26.14560 (17121205) 644841.01 4200180.37 27.72964 (17121205)
644941.01 4200180.37 29.47866 (14021403) 645041.01 4200180.37 33.05910 (15120820)
645141.01 4200180.37 35.36839 (15120519) 645241.01 4200180.37 38.81104 (13010518)
645341.01 4200180.37 41.19992 (17122817) 645441.01 4200180.37 42.27312 (14120120)
645541.01 4200180.37 42.72699 (17121502) 645641.01 4200180.37 40.15009 (17122420)
645741.01 4200180.37 39.14955 (17021904) 645841.01 4200180.37 36.00750 (17021418)
645941.01 4200180.37 32.22445 (17020820) 646041.01 4200180.37 29.79361 (17012606)
646141.01 4200180.37 25.70769 (17122517) 646241.01 4200180.37 23.76135 (17120117)

646341.01 4200180.37 21.37932 (17120117) 646441.01 4200180.37 19.63167 (17012606)
646541.01 4200180.37 18.53101 (17122517) 646641.01 4200180.37 18.64909 (17120117)
646741.01 4200180.37 17.95142 (17120117) 646841.01 4200180.37 17.54696 (17021419)
646941.01 4200180.37 17.11488 (17013121) 647041.01 4200180.37 16.72799 (17121518)
647141.01 4200180.37 16.01324 (17121518) 647241.01 4200180.37 14.42424 (17121518)
647341.01 4200180.37 12.22659 (17121518) 644341.01 4200280.37 19.16082 (17020424)
644441.01 4200280.37 20.22001 (17121902) 644541.01 4200280.37 22.83620 (17121902)
644641.01 4200280.37 25.02197 (17120623) 644741.01 4200280.37 27.44374 (17120623)
644841.01 4200280.37 29.95863 (17011702) 644941.01 4200280.37 34.09302 (17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	35.31210	(16020801)	645141.01	4200280.37	40.82814	(17020902)
645241.01	4200280.37	44.79926	(15120519)	645341.01	4200280.37	49.61452	(15120208)
645441.01	4200280.37	52.29301	(15121522)	645541.01	4200280.37	54.16572	(17121502)
645641.01	4200280.37	49.19605	(17011604)	645741.01	4200280.37	47.20440	(17121920)
645841.01	4200280.37	41.58909	(17021418)	645941.01	4200280.37	36.34158	(17012606)
646041.01	4200280.37	32.03635	(17012606)	646141.01	4200280.37	28.87293	(17120117)
646241.01	4200280.37	25.54377	(17012607)	646341.01	4200280.37	23.22280	(17021419)
646441.01	4200280.37	22.77649	(17012606)	646541.01	4200280.37	21.96817	(17122517)
646641.01	4200280.37	21.37294	(17120117)	646741.01	4200280.37	20.06215	(17021419)

646841.01 4200280.37 19.60953 (17013121) 646941.01 4200280.37 19.09044 (17121518)
647041.01 4200280.37 17.70202 (17121518) 647141.01 4200280.37 15.11973 (17121518)
647241.01 4200280.37 12.58817 (17022807) 647341.01 4200280.37 12.17521 (17020503)
644341.01 4200380.37 19.62551 (17012721) 644441.01 4200380.37 21.47340 (17012721)
644541.01 4200380.37 23.43477 (17020424) 644641.01 4200380.37 25.72181 (17020424)
644741.01 4200380.37 28.24060 (17121902) 644841.01 4200380.37 32.15362 (17121902)
644941.01 4200380.37 36.31343 (17120623) 645041.01 4200380.37 40.44068 (17011702)
645141.01 4200380.37 47.07882 (17121205) 645241.01 4200380.37 52.19509 (17020902)
645341.01 4200380.37 60.23676 (15120519) 645441.01 4200380.37 68.51420 (13022418)
645541.01 4200380.37 71.45011 (17122818) 645641.01 4200380.37 64.24822 (17011603)
645741.01 4200380.37 57.47658 (17121920) 645841.01 4200380.37 48.05839 (17020820)
645941.01 4200380.37 41.81366 (17012606) 646041.01 4200380.37 36.11830 (17120117)
646141.01 4200380.37 31.61860 (17012607) 646241.01 4200380.37 28.10415 (17021419)
646341.01 4200380.37 26.81550 (17012606) 646441.01 4200380.37 26.20926 (17122517)
646541.01 4200380.37 26.30037 (17120117) 646641.01 4200380.37 24.23143 (17012607)
646741.01 4200380.37 23.31349 (17013121) 646841.01 4200380.37 22.31244 (17121518)
646941.01 4200380.37 19.48855 (17121518) 647041.01 4200380.37 15.34413 (17011721)
647141.01 4200380.37 14.82468 (17020503) 647241.01 4200380.37 13.95772 (17020503)
647341.01 4200380.37 12.96346 (17021401) 644341.01 4200480.37 19.85459 (17121802)
644441.01 4200480.37 21.66409 (17121802) 644541.01 4200480.37 23.49572 (17020501)
644641.01 4200480.37 26.06862 (17020501) 644741.01 4200480.37 29.48166 (17012721)
644841.01 4200480.37 32.97184 (17012721) 644941.01 4200480.37 37.57408 (17020424)

645041.01	4200480.37	43.49997	(17121902)	645141.01	4200480.37	51.61136	(17120623)
645241.01	4200480.37	60.83032	(17121205)	645341.01	4200480.37	72.05349	(17121205)
645441.01	4200480.37	89.51369	(14022024)	645541.01	4200480.37	104.02922	(17122817)
645641.01	4200480.37	91.91548	(17011603)	645741.01	4200480.37	72.85437	(17121920)
645841.01	4200480.37	58.06001	(17020820)	645941.01	4200480.37	48.10808	(17120117)
646041.01	4200480.37	40.96422	(17012607)	646141.01	4200480.37	36.18994	(17121518)
646241.01	4200480.37	31.89327	(17020820)	646341.01	4200480.37	34.43465	(17012606)
646441.01	4200480.37	33.67778	(17120117)	646541.01	4200480.37	31.12795	(17012607)
646641.01	4200480.37	29.25500	(17013121)	646741.01	4200480.37	26.69267	(17121518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	20.82421	(17121518)	646941.01	4200480.37	18.64480	(17021005)
647041.01	4200480.37	17.13068	(17020503)	647141.01	4200480.37	15.77234	(17021401)
647241.01	4200480.37	14.36455	(17012421)	647341.01	4200480.37	13.38470	(17122722)
644341.01	4200580.37	19.61728	(17122606)	644441.01	4200580.37	21.59957	(17122606)
644541.01	4200580.37	23.78783	(17122606)	644641.01	4200580.37	26.20227	(17122606)
644741.01	4200580.37	29.03100	(17121802)	644841.01	4200580.37	33.17327	(17121802)
644941.01	4200580.37	37.84457	(17121802)	645041.01	4200580.37	43.61918	(17020501)
645141.01	4200580.37	52.47521	(17012721)	645241.01	4200580.37	63.86973	(17020424)
645341.01	4200580.37	82.29053	(17121902)	645441.01	4200580.37	112.70709	(17121205)

645541.01	4200580.37	169.14424	(15120820)	645641.01	4200580.37	172.90536	(14120120)
645741.01	4200580.37	104.52087	(17122418)	645841.01	4200580.37	74.21623	(17020820)
645941.01	4200580.37	57.81700	(17121518)	646041.01	4200580.37	48.39360	(17121518)
646141.01	4200580.37	37.11729	(17121518)	646241.01	4200580.37	42.76894	(17012606)
646341.01	4200580.37	46.62977	(17122517)	646441.01	4200580.37	43.82447	(17012607)
646541.01	4200580.37	40.04221	(17121518)	646641.01	4200580.37	31.62010	(17121518)
646741.01	4200580.37	25.04925	(17021005)	646841.01	4200580.37	22.39551	(17021401)
646941.01	4200580.37	19.87110	(17012421)	647041.01	4200580.37	18.12407	(17122722)
647141.01	4200580.37	16.67273	(17012603)	647241.01	4200580.37	15.26822	(17012603)
647341.01	4200580.37	13.90342	(17012603)	644341.01	4200680.37	19.70573	(17122407)
644441.01	4200680.37	21.43862	(17122407)	644541.01	4200680.37	23.43087	(17122407)
644641.01	4200680.37	25.74016	(17122407)	644741.01	4200680.37	28.46020	(17122407)
644841.01	4200680.37	31.70079	(17122407)	644941.01	4200680.37	35.65551	(17122407)
645041.01	4200680.37	41.42176	(17122606)	645141.01	4200680.37	49.13254	(17122606)
645241.01	4200680.37	59.49221	(17122606)	645341.01	4200680.37	74.05726	(17122606)
645441.01	4200680.37	101.61050	(17121802)	645541.01	4200680.37	166.70440	(17012721)
645641.01	4200680.37	259.44202	(14060906)	645741.01	4200680.37	249.22634	(14112116)
645841.01	4200680.37	115.18094	(15021917)	645941.01	4200680.37	71.52390	(17121518)
646041.01	4200680.37	52.18706	(17021219)	646141.01	4200680.37	54.09898	(17020820)
646241.01	4200680.37	68.72377	(17012606)	646341.01	4200680.37	74.60737	(17021419)
646441.01	4200680.37	60.85599	(17121518)	646541.01	4200680.37	39.37723	(17021005)
646641.01	4200680.37	32.11158	(17021401)	646741.01	4200680.37	27.80980	(17012603)

646841.01 4200680.37 24.24015 (17012603) 646941.01 4200680.37 21.30025 (17011306)
647041.01 4200680.37 19.23525 (17011306) 647141.01 4200680.37 17.51297 (17021219)
647241.01 4200680.37 16.06438 (17021219) 647341.01 4200680.37 14.76463 (17021219)
644341.01 4200780.37 19.17538 (17121202) 644441.01 4200780.37 20.82937 (17121403)
644541.01 4200780.37 22.75314 (17121403) 644641.01 4200780.37 24.98474 (17121403)
644741.01 4200780.37 27.59954 (17121403) 644841.01 4200780.37 30.69127 (17121403)
644941.01 4200780.37 34.38505 (17121403) 645041.01 4200780.37 38.85994 (17121403)
645141.01 4200780.37 44.31516 (17120902) 645241.01 4200780.37 51.12337 (17120902)
645341.01 4200780.37 59.65570 (17120902) 645441.01 4200780.37 72.17642 (17120902)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	95.21793	(17122119)	645641.01	4200780.37	161.98985	(17021006)
645741.01	4200780.37	232.17889	(14060906)	646041.01	4200780.37	75.23471	(17021006)
646141.01	4200780.37	133.13412	(15021917)	646241.01	4200780.37	218.35822	(14112116)
646341.01	4200780.37	102.83063	(17021401)	646441.01	4200780.37	60.34002	(17021219)
646541.01	4200780.37	45.68262	(17021219)	646641.01	4200780.37	36.70236	(17021219)
646741.01	4200780.37	30.67006	(17120917)	646841.01	4200780.37	26.39213	(17120917)
646941.01	4200780.37	23.06827	(17120917)	647041.01	4200780.37	20.40921	(17120917)
647141.01	4200780.37	18.23509	(17120917)	647241.01	4200780.37	16.42670	(17120917)
647341.01	4200780.37	14.90130	(17120917)	644341.01	4200880.37	19.05349	(17013108)

644441.01 4200880.37 20.62845 (17013108) 644541.01 4200880.37 22.37920 (17013108)
644641.01 4200880.37 24.34060 (17013108) 644741.01 4200880.37 26.52024 (17013108)
644841.01 4200880.37 29.01431 (17011619) 644941.01 4200880.37 31.96511 (17011619)
645041.01 4200880.37 35.23032 (17011619) 645141.01 4200880.37 38.93916 (17011619)
645241.01 4200880.37 43.33044 (17011619) 645341.01 4200880.37 49.05766 (17013108)
645441.01 4200880.37 57.57087 (17013108) 645541.01 4200880.37 71.60427 (17122119)
645641.01 4200880.37 95.54597 (17122119) 645741.01 4200880.37 164.97647 (17122603)
645841.01 4200880.37 200.86476 (14060906) 645941.01 4200880.37 114.21629 (15021917)
646041.01 4200880.37 267.98848 (15021917) 646141.01 4200880.37 152.21202 (15021223)
646241.01 4200880.37 96.49827 (14011919) 646341.01 4200880.37 75.53765 (16012718)
646441.01 4200880.37 58.55778 (13012502) 646541.01 4200880.37 46.39256 (14120622)
646641.01 4200880.37 37.66436 (14120622) 646741.01 4200880.37 31.54594 (13012418)
646841.01 4200880.37 26.95073 (13012418) 646941.01 4200880.37 23.45596 (16022422)
647041.01 4200880.37 20.76102 (16022422) 647141.01 4200880.37 18.56224 (16022422)
647241.01 4200880.37 16.73643 (16022422) 647341.01 4200880.37 15.19792 (16022422)
644341.01 4200980.37 18.32417 (17011619) 644441.01 4200980.37 19.65330 (17021502)
644541.01 4200980.37 21.19575 (17021502) 644641.01 4200980.37 22.80890 (17021502)
644741.01 4200980.37 24.49887 (17021502) 644841.01 4200980.37 26.57038 (17011524)
644941.01 4200980.37 28.77574 (17011524) 645041.01 4200980.37 31.08616 (17011524)
645141.01 4200980.37 33.72176 (17011524) 645241.01 4200980.37 37.09679 (17011524)
645341.01 4200980.37 41.72789 (17011524) 645441.01 4200980.37 48.50618 (17011524)
645541.01 4200980.37 59.27310 (17012402) 645641.01 4200980.37 77.55011 (17011123)

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       645741.01   4200980.37      109.72608  (17020508)              645841.01   4200980.37      160.96188
(17020721)
       645941.01   4200980.37      194.34153  (17011918)              646041.01   4200980.37      142.05699
(17122322)
       646141.01   4200980.37       92.38797  (17122322)              646241.01   4200980.37       70.03102
(16011522)
       646341.01   4200980.37       56.58295  (15010620)              646441.01   4200980.37       48.08704
(15010620)
       646541.01   4200980.37       41.38329  (16120318)              646641.01   4200980.37       35.39127
(13021318)
       646741.01   4200980.37       30.80291  (16012718)              646841.01   4200980.37       26.74806
(16012718)
       646941.01   4200980.37       23.37408  (15021818)              647041.01   4200980.37       20.67109
(13012502)
       647141.01   4200980.37       18.40510  (14120622)              647241.01   4200980.37       16.79187
(14120622)
       647341.01   4200980.37       15.36258  (14120622)              644341.01   4201080.37       17.56837
(17011524)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	18.75501	(17011524)	644541.01	4201080.37	19.90623	(17011524)
644641.01	4201080.37	21.49895	(17012402)	644741.01	4201080.37	23.07341	(17012402)
644841.01	4201080.37	24.63461	(17011123)	644941.01	4201080.37	26.34411	(17011123)
645041.01	4201080.37	28.12880	(17011123)	645141.01	4201080.37	30.24995	(17020508)
645241.01	4201080.37	33.12202	(17020508)	645341.01	4201080.37	36.94950	(17020508)
645441.01	4201080.37	41.36958	(17120521)	645541.01	4201080.37	49.28447	(17122118)
645641.01	4201080.37	59.25054	(17020721)	645741.01	4201080.37	58.61168	(17011108)
645841.01	4201080.37	78.11604	(17021304)	645941.01	4201080.37	94.00536	(17121820)
646041.01	4201080.37	88.60637	(17121323)	646141.01	4201080.37	76.87183	(17012922)

646241.01 4201080.37 63.03640 (17013119) 646341.01 4201080.37 48.77362 (17122322)
646441.01 4201080.37 42.00287 (14021118) 646541.01 4201080.37 36.61652 (16011522)
646641.01 4201080.37 32.51075 (15010620) 646741.01 4201080.37 28.70935 (15010620)
646841.01 4201080.37 25.29749 (16120318) 646941.01 4201080.37 22.62349 (16120318)
647041.01 4201080.37 20.25295 (13021318) 647141.01 4201080.37 18.27171 (16012718)
647241.01 4201080.37 16.72679 (16012718) 647341.01 4201080.37 15.24483 (16012718)
644341.01 4201180.37 16.92758 (17012402) 644441.01 4201180.37 17.93176 (17011123)
644541.01 4201180.37 19.12128 (17011123) 644641.01 4201180.37 20.28903 (17020508)
644741.01 4201180.37 21.52182 (17020508) 644841.01 4201180.37 22.59022 (17020508)
644941.01 4201180.37 23.79420 (17120521) 645041.01 4201180.37 25.23263 (17120823)
645141.01 4201180.37 26.98965 (17120823) 645241.01 4201180.37 29.24970 (17020721)
645341.01 4201180.37 32.55783 (17020721) 645441.01 4201180.37 35.19607 (17020721)
645541.01 4201180.37 36.13716 (17011108) 645641.01 4201180.37 38.02409 (17121417)
645741.01 4201180.37 44.64293 (17021222) 645841.01 4201180.37 53.28769 (17122703)
645941.01 4201180.37 59.08029 (17121905) 646041.01 4201180.37 63.55746 (17120123)
646141.01 4201180.37 58.24850 (17022507) 646241.01 4201180.37 51.66365 (17012922)
646341.01 4201180.37 46.21990 (17013119) 646441.01 4201180.37 39.96220 (17013119)
646541.01 4201180.37 32.91541 (17122322) 646641.01 4201180.37 29.71239 (14021118)
646741.01 4201180.37 26.67490 (16022321) 646841.01 4201180.37 23.92540 (14021424)
646941.01 4201180.37 21.70867 (15010620) 647041.01 4201180.37 19.52383 (15010620)
647141.01 4201180.37 17.60780 (16010222) 647241.01 4201180.37 16.17462 (16120318)
647341.01 4201180.37 14.78288 (16120318) 644341.01 4201280.37 16.23375 (17020508)

644441.01 4201280.37 17.09709 (17020508) 644541.01 4201280.37 17.80585 (17120521)
644641.01 4201280.37 18.84574 (17120521) 644741.01 4201280.37 19.96238 (17120823)
644841.01 4201280.37 21.21022 (17020721) 644941.01 4201280.37 22.31990 (17020721)
645041.01 4201280.37 23.42023 (17020721) 645141.01 4201280.37 24.48711 (17020721)
645241.01 4201280.37 24.93610 (17011108) 645341.01 4201280.37 25.53752 (17011108)
645441.01 4201280.37 25.27511 (17122723) 645541.01 4201280.37 28.02385 (17020407)
645641.01 4201280.37 31.52101 (17121417) 645741.01 4201280.37 35.35971 (17021222)
645841.01 4201280.37 42.33996 (17120719) 645941.01 4201280.37 44.89064 (17021304)
646041.01 4201280.37 47.44067 (17121820) 646141.01 4201280.37 46.34226 (17120123)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	42.89766	(17022507)	646341.01	4201280.37	38.69559	(17123004)
646441.01	4201280.37	36.06790	(17012922)	646541.01	4201280.37	32.98713	(17013119)
646641.01	4201280.37	28.79962	(17122322)	646741.01	4201280.37	24.49947	(14022421)
646841.01	4201280.37	22.44578	(14021118)	646941.01	4201280.37	20.53408	(14021118)
647041.01	4201280.37	18.54594	(16011522)	647141.01	4201280.37	17.03935	(14021424)
647241.01	4201280.37	15.76448	(15010620)	647341.01	4201280.37	14.40514	(15010620)
644341.01	4201380.37	15.30910	(17120521)	644441.01	4201380.37	16.16818	(17120823)
644541.01	4201380.37	16.98248	(17120823)	644641.01	4201380.37	18.13367	(17020721)
644741.01	4201380.37	18.94060	(17020721)	644841.01	4201380.37	19.46170	(17020721)

644941.01 4201380.37 19.67115 (17020721) 645041.01 4201380.37 19.99304 (17011108)
645141.01 4201380.37 19.92155 (17011108) 645241.01 4201380.37 18.47935 (17011108)
645341.01 4201380.37 19.86352 (17121506) 645441.01 4201380.37 22.63811 (17122723)
645541.01 4201380.37 24.62315 (17121921) 645641.01 4201380.37 26.54768 (17121417)
645741.01 4201380.37 28.92493 (17020906) 645841.01 4201380.37 34.73734 (17120719)
645941.01 4201380.37 37.03917 (17021304) 646041.01 4201380.37 36.40332 (17121905)
646141.01 4201380.37 37.55899 (17121820) 646241.01 4201380.37 36.02146 (17012707)
646341.01 4201380.37 33.74120 (17022507) 646441.01 4201380.37 31.14894 (17123004)
646541.01 4201380.37 29.33841 (17012922) 646641.01 4201380.37 26.97000 (17013119)
646741.01 4201380.37 25.13175 (17013119) 646841.01 4201380.37 21.94269 (17122322)
646941.01 4201380.37 19.14205 (14022421) 647041.01 4201380.37 17.69815 (14021118)
647141.01 4201380.37 16.47009 (14021118) 647241.01 4201380.37 15.03873 (16011522)
647341.01 4201380.37 13.91400 (14021424) 644341.01 4201480.37 14.73151 (17020721)
644441.01 4201480.37 15.69260 (17020721) 644541.01 4201480.37 16.30414 (17020721)
644641.01 4201480.37 16.56312 (17020721) 644741.01 4201480.37 16.75019 (17011108)
644841.01 4201480.37 16.88338 (17011108) 644941.01 4201480.37 16.55362 (17011108)
645041.01 4201480.37 15.45362 (17011108) 645141.01 4201480.37 15.72677 (17022120)
645241.01 4201480.37 16.47179 (17011124) 645341.01 4201480.37 18.44235 (17122723)
645441.01 4201480.37 19.98888 (17122723) 645541.01 4201480.37 22.19690 (17121417)
645641.01 4201480.37 23.04167 (17012906) 645741.01 4201480.37 24.88109 (17020906)
645841.01 4201480.37 29.10057 (17120719) 645941.01 4201480.37 30.38275 (17011607)
646041.01 4201480.37 29.02660 (17021304) 646141.01 4201480.37 30.93426 (17121905)

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        646241.01   4201480.37       30.58049  (17120123)              646341.01   4201480.37       29.07910
(17012707)
        646441.01   4201480.37       27.65408  (17022507)              646541.01   4201480.37       25.84770
(17123004)
        646641.01   4201480.37       24.20952  (17012922)              646741.01   4201480.37       22.95556
(17012922)
        646841.01   4201480.37       21.70769  (17013119)              646941.01   4201480.37       19.72823
(17013119)
        647041.01   4201480.37       17.17725  (17122322)              647141.01   4201480.37       15.44537
(14022421)
        647241.01   4201480.37       14.41286  (14021118)              647341.01   4201480.37       13.58949
(14021118)
        644341.01   4201580.37       14.20591  (17020721)              644441.01   4201580.37       14.34299
(17020721)
        644541.01   4201580.37       14.63007  (17011108)              644641.01   4201580.37       14.67507
(17011108)
        644741.01   4201580.37       14.29810  (17011108)              644841.01   4201580.37       13.38631
(17011108)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	13.37179	(17120221)	645041.01	4201580.37	13.97270	(17022120)
645141.01	4201580.37	14.50118	(17120101)	645241.01	4201580.37	15.44201	(17121506)
645341.01	4201580.37	17.27455	(17122723)	645441.01	4201580.37	18.12219	(17013102)
645541.01	4201580.37	20.05077	(17121417)	645641.01	4201580.37	20.43927	(17012906)
645741.01	4201580.37	21.79570	(17020906)	645841.01	4201580.37	24.79085	(17021222)
645941.01	4201580.37	25.45221	(17122703)	646041.01	4201580.37	26.37237	(17021304)
646141.01	4201580.37	25.65065	(17121905)	646241.01	4201580.37	26.76518	(17121820)
646341.01	4201580.37	25.97692	(17120123)	646441.01	4201580.37	24.12379	(17012707)
646541.01	4201580.37	23.35047	(17022507)	646641.01	4201580.37	22.02935	(17011918)

646741.01 4201580.37 20.47938 (17010908) 646841.01 4201580.37 19.98313 (17012922)
646941.01 4201580.37 18.61458 (17013119) 647041.01 4201580.37 17.70781 (17013119)
647141.01 4201580.37 15.87221 (17122322) 647241.01 4201580.37 13.76822 (14022421)
647341.01 4201580.37 12.81816 (13012503) 644341.01 4201680.37 12.91752 (17011108)
644441.01 4201680.37 12.97532 (17011108) 644541.01 4201680.37 12.64133 (17011108)
644641.01 4201680.37 11.88779 (17011108) 644741.01 4201680.37 11.56590 (17120620)
644841.01 4201680.37 12.03790 (17120221) 644941.01 4201680.37 12.52432 (17022120)
645041.01 4201680.37 12.96850 (17022120) 645141.01 4201680.37 13.51290 (17011124)
645241.01 4201680.37 14.57111 (17121506) 645341.01 4201680.37 15.92362 (17122723)
645441.01 4201680.37 16.55291 (17020101) 645541.01 4201680.37 18.15439 (17121417)
645641.01 4201680.37 18.33181 (17012906) 645741.01 4201680.37 19.38853 (17020906)
645841.01 4201680.37 21.78349 (17021222) 645941.01 4201680.37 22.42879 (17120719)
646041.01 4201680.37 23.47746 (17021304) 646141.01 4201680.37 20.84916 (17120204)
646241.01 4201680.37 22.94740 (17121905) 646341.01 4201680.37 22.71376 (17121820)
646441.01 4201680.37 22.19615 (17120123) 646541.01 4201680.37 20.45075 (17012707)
646641.01 4201680.37 20.14247 (17022507) 646741.01 4201680.37 19.09785 (17011918)
646841.01 4201680.37 17.78641 (17123004) 646941.01 4201680.37 17.45665 (17012922)
647041.01 4201680.37 16.25080 (17012922) 647141.01 4201680.37 15.74087 (17013119)
647241.01 4201680.37 14.56718 (17013119) 647341.01 4201680.37 13.01802 (17122322)
644341.01 4201780.37 11.34244 (17011108) 644441.01 4201780.37 10.72895 (17011108)
644541.01 4201780.37 9.91352 (17020803) 644641.01 4201780.37 10.49978 (17120620)
644741.01 4201780.37 10.91221 (17120221) 644841.01 4201780.37 11.32416 (17020405)

644941.01 4201780.37 11.73308 (17022120) 645041.01 4201780.37 12.18076 (17120101)
645141.01 4201780.37 12.68323 (17121506) 645241.01 4201780.37 13.90981 (17122723)
645341.01 4201780.37 14.59399 (17122723) 645441.01 4201780.37 15.35084 (17121921)
645541.01 4201780.37 16.50881 (17121417) 645641.01 4201780.37 16.58901 (17012906)
645741.01 4201780.37 17.46440 (17020906) 645841.01 4201780.37 19.29691 (17021222)
645941.01 4201780.37 20.19956 (17120719) 646041.01 4201780.37 20.54488 (17021304)
646141.01 4201780.37 19.70768 (17021304) 646241.01 4201780.37 19.61811 (17121905)
646341.01 4201780.37 20.37317 (17121820) 646441.01 4201780.37 19.64439 (17011707)
646541.01 4201780.37 19.13869 (17012707) 646641.01 4201780.37 17.91212 (17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	17.61314	(17022507)	646841.01	4201780.37	16.75945	(17011918)
646941.01	4201780.37	15.81826	(17123004)	647041.01	4201780.37	15.29544	(17012922)
647141.01	4201780.37	14.67854	(17012922)	647241.01	4201780.37	13.89374	(17013119)
647341.01	4201780.37	13.32849	(17013119)	644341.01	4201880.37	8.99782	(17011108)
644441.01	4201880.37	9.11809	(17120620)	644541.01	4201880.37	9.56875	(17120620)
644641.01	4201880.37	9.94602	(17120221)	644741.01	4201880.37	10.30299	(17020405)
644841.01	4201880.37	10.67891	(17022120)	644941.01	4201880.37	11.05521	(17120101)
645041.01	4201880.37	11.47760	(17011124)	645141.01	4201880.37	12.16954	(17121506)
645241.01	4201880.37	13.18107	(17122723)	645341.01	4201880.37	13.52286	(17013102)

645441.01	4201880.37	14.35396	(17121921)	645541.01	4201880.37	15.05334 (17121417)
645641.01	4201880.37	15.10091	(17012906)	645741.01	4201880.37	15.83306 (17020906)
645841.01	4201880.37	17.24969	(17021222)	645941.01	4201880.37	18.27811 (17120719)
646041.01	4201880.37	18.06886	(17011607)	646141.01	4201880.37	18.46865 (17021304)
646241.01	4201880.37	16.45191	(17120204)	646341.01	4201880.37	18.09673 (17121905)
646441.01	4201880.37	18.20750	(17121820)	646541.01	4201880.37	17.53741 (17120123)
646641.01	4201880.37	16.94503	(17012707)	646741.01	4201880.37	15.97935 (17022507)
646841.01	4201880.37	15.61902	(17022507)	646941.01	4201880.37	14.88296 (17011918)
647041.01	4201880.37	14.19900	(17123004)	647141.01	4201880.37	13.49318 (17010908)
647241.01	4201880.37	13.25332	(17012922)	647341.01	4201880.37	12.22726 (17013119)
644341.01	4201980.37	8.42611	(17120620)	644441.01	4201980.37	8.75768 (17010204)
644541.01	4201980.37	9.10975	(17120221)	644641.01	4201980.37	9.42202 (17020405)
644741.01	4201980.37	9.76853	(17022120)	644841.01	4201980.37	10.05550 (17120101)
644941.01	4201980.37	10.36085	(17011124)	645041.01	4201980.37	10.78682 (17121506)
645141.01	4201980.37	11.59650	(17122723)	645241.01	4201980.37	12.33317 (17122723)
645341.01	4201980.37	12.65149	(17013102)	645441.01	4201980.37	13.37688 (17121417)
645541.01	4201980.37	13.81256	(17121417)	645641.01	4201980.37	13.88733 (17012906)
645741.01	4201980.37	14.53805	(17020906)	645841.01	4201980.37	15.55749 (17021222)
645941.01	4201980.37	16.59136	(17120719)	646041.01	4201980.37	16.22897 (17122703)
646141.01	4201980.37	16.97672	(17021304)	646241.01	4201980.37	15.46710 (17021304)
646341.01	4201980.37	15.79023	(17121905)	646441.01	4201980.37	16.22140 (17121820)
646541.01	4201980.37	16.03466	(17121820)	646641.01	4201980.37	15.77750 (17120123)

646741.01 4201980.37 15.10203 (17012707) 646841.01 4201980.37 14.39351 (17022507)
646941.01 4201980.37 13.99645 (17022507) 647041.01 4201980.37 13.35456 (17011918)
647141.01 4201980.37 12.84361 (17123004) 647241.01 4201980.37 12.18561 (17010908)
647341.01 4201980.37 11.98962 (17012922) 644341.01 4202080.37 8.06568 (17010204)
644441.01 4202080.37 8.37882 (17120221) 644541.01 4202080.37 8.65654 (17020405)
644641.01 4202080.37 8.97592 (17022120) 644741.01 4202080.37 9.16560 (17120101)
644841.01 4202080.37 9.52130 (17120101) 644941.01 4202080.37 9.90717 (17011124)
645041.01 4202080.37 10.42810 (17121506) 645141.01 4202080.37 11.17689 (17122723)
645241.01 4202080.37 11.45541 (17122723) 645341.01 4202080.37 11.82199 (17020101)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	12.61388	(17121417)	645541.01	4202080.37	12.73291	(17121417)
645641.01	4202080.37	12.83197	(17012906)	645741.01	4202080.37	13.40400	(17020906)
645841.01	4202080.37	14.08850	(17021222)	645941.01	4202080.37	15.06088	(17120719)
646041.01	4202080.37	14.90510	(17011706)	646141.01	4202080.37	15.39482	(17021304)
646241.01	4202080.37	14.87376	(17021304)	646341.01	4202080.37	13.46775	(17120204)
646441.01	4202080.37	14.84077	(17121905)	646541.01	4202080.37	14.95570	(17121820)
646641.01	4202080.37	14.33597	(17011707)	646741.01	4202080.37	14.18866	(17120123)
646841.01	4202080.37	13.50915	(17012707)	646941.01	4202080.37	13.04773	(17022507)
647041.01	4202080.37	12.61923	(17022507)	647141.01	4202080.37	12.06124	(17011918)

647241.01 4202080.37 11.67159 (17123004) 647341.01 4202080.37 11.04669 (17010908)
644341.01 4202180.37 7.73560 (17120221) 644441.01 4202180.37 7.98662 (17020405)
644541.01 4202180.37 8.28144 (17022120) 644641.01 4202180.37 8.46080 (17010205)
644741.01 4202180.37 8.78443 (17120101) 644841.01 4202180.37 9.08042 (17011124)
644941.01 4202180.37 9.37513 (17121506) 645041.01 4202180.37 9.90405 (17121506)
645141.01 4202180.37 10.63336 (17122723) 645241.01 4202180.37 10.79132 (17121822)
645341.01 4202180.37 11.20824 (17020101) 645441.01 4202180.37 11.86928 (17121417)
645541.01 4202180.37 11.73554 (17121417) 645641.01 4202180.37 11.89793 (17012906)
645741.01 4202180.37 12.42650 (17020906) 645841.01 4202180.37 12.82446 (17021222)
645941.01 4202180.37 13.70167 (17120719) 646041.01 4202180.37 13.92708 (17120719)
646141.01 4202180.37 13.94515 (17011607) 646241.01 4202180.37 14.09541 (17021304)
646341.01 4202180.37 12.45495 (17021304) 646441.01 4202180.37 13.11568 (17121905)
646541.01 4202180.37 13.53563 (17121905) 646641.01 4202180.37 13.56032 (17121820)
646741.01 4202180.37 13.00015 (17011707) 646841.01 4202180.37 12.75958 (17120123)
646941.01 4202180.37 12.12739 (17012707) 647041.01 4202180.37 11.89697 (17022507)
647141.01 4202180.37 11.45007 (17022507) 647241.01 4202180.37 10.96546 (17011918)
647341.01 4202180.37 10.66296 (17123004) 644341.01 4202280.37 7.39664 (17020405)
644441.01 4202280.37 7.66314 (17022120) 644541.01 4202280.37 7.83291 (17010205)
644641.01 4202280.37 8.12459 (17120101) 644741.01 4202280.37 8.31360 (17011124)
644841.01 4202280.37 8.61140 (17011124) 644941.01 4202280.37 9.10791 (17121506)
645041.01 4202280.37 9.66591 (17122723) 645141.01 4202280.37 9.98722 (17122723)
645241.01 4202280.37 10.25081 (17121822) 645341.01 4202280.37 10.62675 (17121921)

645441.01	4202280.37	11.14639	(17121417)	645541.01	4202280.37	10.82289	(17121417)
645641.01	4202280.37	11.06993	(17012906)	645741.01	4202280.37	11.56871	(17020906)
645841.01	4202280.37	11.72430	(17021222)	645941.01	4202280.37	12.66334	(17021222)
646041.01	4202280.37	13.03757	(17120719)	646141.01	4202280.37	12.62984	(17122703)
646241.01	4202280.37	13.18561	(17021304)	646341.01	4202280.37	12.20100	(17021304)
646441.01	4202280.37	11.32134	(17120204)	646541.01	4202280.37	12.49605	(17121905)
646641.01	4202280.37	12.54459	(17121820)	646741.01	4202280.37	12.17355	(17121820)
646841.01	4202280.37	12.01623	(17120123)	646941.01	4202280.37	11.63401	(17012707)
647041.01	4202280.37	10.91893	(17012707)	647141.01	4202280.37	10.90460	(17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***

INCLUDING SOURCE(S): L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 , L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 , L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 , L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	10.48110	(17120701)	647341.01	4202280.37	10.02850	(17120701)
645946.01	4200731.54	81.45603	(17021219)	645933.67	4200896.54	146.38701	(15021917)
645889.89	4200889.80	144.72208	(15021917)	645847.24	4200866.23	155.57934	(15021917)
645697.97	4200718.07	227.71583	(14060906)	645704.70	4200712.46	245.47319	(14060906)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	8.08430	(14120622)	646506.52	4202111.83	17.50077	(17121905)
645939.20	4200707.16	609.02323	(17012607)	644341.01	4199280.37	12.17611	(15120519)
644441.01	4199280.37	12.55322	(13010518)	644541.01	4199280.37	13.07236	(15120208)
644641.01	4199280.37	13.62810	(16121304)	644741.01	4199280.37	14.34985	(13022418)
644841.01	4199280.37	15.06679	(15120819)	644941.01	4199280.37	15.50516	(15121522)
645041.01	4199280.37	15.85869	(16012622)	645141.01	4199280.37	17.33686	(17122818)
645241.01	4199280.37	17.55243	(17121502)	645341.01	4199280.37	18.22559	(17121502)
645441.01	4199280.37	18.89740	(17122819)	645541.01	4199280.37	19.08402	(17011604)
645641.01	4199280.37	19.65094	(17122420)	645741.01	4199280.37	19.18154	(17122707)
645841.01	4199280.37	21.21104	(17021904)	645941.01	4199280.37	21.07802	(17012524)
646041.01	4199280.37	21.63327	(17121920)	646141.01	4199280.37	20.91724	(17120606)
646241.01	4199280.37	21.19956	(17021418)	646341.01	4199280.37	20.14630	(17122220)

646441.01 4199280.37 19.05985 (17020820) 646541.01 4199280.37 18.44889 (17121519)
646641.01 4199280.37 18.14694 (17011220) 646741.01 4199280.37 17.83679 (17012606)
646841.01 4199280.37 15.41723 (17011805) 646941.01 4199280.37 14.26213 (17010502)
647041.01 4199280.37 14.63794 (17122517) 647141.01 4199280.37 13.51763 (17122517)
647241.01 4199280.37 13.15960 (17120117) 647341.01 4199280.37 12.67544 (17120117)
644341.01 4199380.37 12.42250 (14022024) 644441.01 4199380.37 13.40209 (15120519)
644541.01 4199380.37 13.91185 (13010518) 644641.01 4199380.37 14.55679 (15120208)
644741.01 4199380.37 15.20329 (16121304) 644841.01 4199380.37 16.00627 (17122817)
644941.01 4199380.37 16.53057 (15120819) 645041.01 4199380.37 17.24426 (14020221)
645141.01 4199380.37 18.15421 (14120120) 645241.01 4199380.37 19.51207 (17122818)
645341.01 4199380.37 20.35529 (17121502) 645441.01 4199380.37 20.89543 (17122819)
645541.01 4199380.37 21.13148 (17011603) 645641.01 4199380.37 21.36412 (17122420)
645741.01 4199380.37 21.22021 (17122707) 645841.01 4199380.37 23.34061 (17021904)
645941.01 4199380.37 23.50687 (17121920) 646041.01 4199380.37 23.29989 (17121920)
646141.01 4199380.37 23.34125 (17122221) 646241.01 4199380.37 22.50694 (17021418)
646341.01 4199380.37 22.01843 (17122220) 646441.01 4199380.37 20.02506 (17011708)
646541.01 4199380.37 20.43752 (17011220) 646641.01 4199380.37 20.06210 (17012606)
646741.01 4199380.37 17.81118 (17012606) 646841.01 4199380.37 15.56111 (17010502)
646941.01 4199380.37 16.09150 (17122517) 647041.01 4199380.37 15.19042 (17122517)
647141.01 4199380.37 14.47424 (17120117) 647241.01 4199380.37 13.96274 (17120117)
647341.01 4199380.37 12.85427 (17013019) 644341.01 4199480.37 13.06935 (14022024)
644441.01 4199480.37 13.77332 (14022024) 644541.01 4199480.37 14.85487 (15120519)

644641.01 4199480.37 15.52616 (13010518) 644741.01 4199480.37 16.29809 (15120208)
644841.01 4199480.37 17.18164 (13022418) 644941.01 4199480.37 18.02550 (15120819)
645041.01 4199480.37 18.67117 (15121522) 645141.01 4199480.37 19.29994 (14010818)
645241.01 4199480.37 21.29105 (17122818) 645341.01 4199480.37 22.07219 (17121502)
645441.01 4199480.37 22.67642 (17122819) 645541.01 4199480.37 23.47494 (17011603)
645641.01 4199480.37 23.27841 (17122706) 645741.01 4199480.37 23.60226 (17122707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	25.86308	(17021904)	645941.01	4199480.37	26.38394	(17121920)
646041.01	4199480.37	25.17015	(17020504)	646141.01	4199480.37	26.04248	(17122221)
646241.01	4199480.37	23.80560	(17122220)	646341.01	4199480.37	23.50699	(17020820)
646441.01	4199480.37	22.49396	(17121519)	646541.01	4199480.37	21.96721	(17011220)
646641.01	4199480.37	21.22204	(17012606)	646741.01	4199480.37	17.75325	(17011805)
646841.01	4199480.37	17.73016	(17122517)	646941.01	4199480.37	17.14108	(17122517)
647041.01	4199480.37	16.02544	(17120117)	647141.01	4199480.37	15.49090	(17120117)
647241.01	4199480.37	14.20968	(17013019)	647341.01	4199480.37	13.54384	(17012607)
644341.01	4199580.37	14.09203	(15120820)	644441.01	4199580.37	14.40853	(15120820)
644541.01	4199580.37	15.38108	(14022024)	644641.01	4199580.37	16.59895	(15120519)
644741.01	4199580.37	17.46783	(13010518)	644841.01	4199580.37	18.35303	(15120208)
644941.01	4199580.37	19.47768	(13022418)	645041.01	4199580.37	20.51369	(15120819)

645141.01 4199580.37 21.19801 (14020221) 645241.01 4199580.37 22.48013 (14120120)
645341.01 4199580.37 23.98588 (17122818) 645441.01 4199580.37 24.87881 (17121502)
645541.01 4199580.37 25.78482 (17011603) 645641.01 4199580.37 25.87582 (17122706)
645741.01 4199580.37 26.40651 (17122707) 645841.01 4199580.37 28.88983 (17021904)
645941.01 4199580.37 29.80298 (17121920) 646041.01 4199580.37 28.06157 (17020504)
646141.01 4199580.37 29.18853 (17021418) 646241.01 4199580.37 27.40006 (17122220)
646341.01 4199580.37 25.37479 (17020820) 646441.01 4199580.37 25.27719 (17011220)
646541.01 4199580.37 24.70890 (17012606) 646641.01 4199580.37 21.08595 (17011805)
646741.01 4199580.37 19.64764 (17012919) 646841.01 4199580.37 19.51255 (17122517)
646941.01 4199580.37 17.84457 (17120117) 647041.01 4199580.37 17.32667 (17120117)
647141.01 4199580.37 15.81957 (17013019) 647241.01 4199580.37 15.00793 (17012607)
647341.01 4199580.37 13.44510 (17011317) 644341.01 4199680.37 14.47940 (14021403)
644441.01 4199680.37 15.59261 (17020902) 644541.01 4199680.37 16.31350 (15120820)
644641.01 4199680.37 17.31902 (14022024) 644741.01 4199680.37 18.72482 (15120519)
644841.01 4199680.37 19.83617 (13010518) 644941.01 4199680.37 20.79037 (15120208)
645041.01 4199680.37 22.05967 (13022418) 645141.01 4199680.37 23.03613 (15120819)
645241.01 4199680.37 24.31422 (14010818) 645341.01 4199680.37 27.00518 (17122818)
645441.01 4199680.37 28.33751 (17121502) 645541.01 4199680.37 29.11723 (17122819)
645641.01 4199680.37 29.35803 (17011604) 645741.01 4199680.37 29.73329 (17122707)
645841.01 4199680.37 32.57684 (17021904) 645941.01 4199680.37 33.90096 (17121920)
646041.01 4199680.37 32.00150 (17120606) 646141.01 4199680.37 32.31007 (17021418)
646241.01 4199680.37 30.50576 (17122220) 646341.01 4199680.37 28.28627 (17121519)

646441.01 4199680.37 27.69962 (17012606) 646541.01 4199680.37 25.62419 (17012606)
646641.01 4199680.37 21.89001 (17010502) 646741.01 4199680.37 22.28246 (17122517)
646841.01 4199680.37 20.10079 (17120117) 646941.01 4199680.37 19.53268 (17120117)
647041.01 4199680.37 17.75306 (17013019) 647141.01 4199680.37 16.72033 (17012607)
647241.01 4199680.37 15.25101 (17011317) 647341.01 4199680.37 15.10091 (17021419)
644341.01 4199780.37 14.83061 (17012723) 644441.01 4199780.37 16.15192 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	17.47862	(17020902)	644641.01	4199780.37	18.59693	(15120820)
644741.01	4199780.37	19.68923	(14022024)	644841.01	4199780.37	21.36299	(15120519)
644941.01	4199780.37	22.77188	(13010518)	645041.01	4199780.37	23.93843	(16121304)
645141.01	4199780.37	25.79810	(17122817)	645241.01	4199780.37	27.14122	(15121522)
645341.01	4199780.37	28.92468	(14120120)	645441.01	4199780.37	30.93383	(17121502)
645541.01	4199780.37	32.88107	(17122819)	645641.01	4199780.37	33.40886	(17011604)
645741.01	4199780.37	34.24788	(17122420)	645841.01	4199780.37	37.14876	(17021904)
645941.01	4199780.37	38.85491	(17121920)	646041.01	4199780.37	36.57926	(17120606)
646141.01	4199780.37	34.84604	(17021418)	646241.01	4199780.37	33.45999	(17020820)
646341.01	4199780.37	32.47904	(17011220)	646441.01	4199780.37	31.30785	(17012606)
646541.01	4199780.37	25.35371	(17011805)	646641.01	4199780.37	25.63482	(17122517)
646741.01	4199780.37	22.79531	(17120117)	646841.01	4199780.37	22.30561	(17120117)

646941.01 4199780.37 20.09138 (17013019) 647041.01 4199780.37 18.73802 (17012607)
647141.01 4199780.37 17.36727 (17021419) 647241.01 4199780.37 16.86698 (17021419)
647341.01 4199780.37 15.51780 (17013121) 644341.01 4199880.37 16.69945 (17121205)
644441.01 4199880.37 16.76494 (16020801) 644541.01 4199880.37 17.93689 (14021403)
644641.01 4199880.37 19.61482 (17020902) 644741.01 4199880.37 21.35557 (15120820)
644841.01 4199880.37 22.63760 (14022024) 644941.01 4199880.37 24.70823 (15120519)
645041.01 4199880.37 26.47951 (13010518) 645141.01 4199880.37 28.32522 (13022418)
645241.01 4199880.37 30.49014 (15120819) 645341.01 4199880.37 31.94449 (14010818)
645441.01 4199880.37 35.80620 (17122818) 645541.01 4199880.37 37.07452 (17121502)
645641.01 4199880.37 38.94715 (17011603) 645741.01 4199880.37 39.87811 (17122420)
645841.01 4199880.37 42.94021 (17021904) 645941.01 4199880.37 44.89087 (17121920)
646041.01 4199880.37 43.08585 (17122221) 646141.01 4199880.37 40.66247 (17122220)
646241.01 4199880.37 37.09666 (17121519) 646341.01 4199880.37 36.77898 (17012606)
646441.01 4199880.37 31.53586 (17011805) 646541.01 4199880.37 29.63855 (17122517)
646641.01 4199880.37 26.67923 (17122517) 646741.01 4199880.37 25.84310 (17120117)
646841.01 4199880.37 23.00912 (17013019) 646941.01 4199880.37 21.12758 (17012607)
647041.01 4199880.37 20.11804 (17021419) 647141.01 4199880.37 18.75057 (17021419)
647241.01 4199880.37 17.51462 (17013121) 647341.01 4199880.37 16.26322 (17121518)
644341.01 4199980.37 17.03135 (17121205) 644441.01 4199980.37 18.98418 (17121205)
644541.01 4199980.37 19.75718 (17121205) 644641.01 4199980.37 20.20387 (17012723)
644741.01 4199980.37 22.38104 (14021403) 644841.01 4199980.37 24.71103 (15120820)
644941.01 4199980.37 26.37860 (14022024) 645041.01 4199980.37 29.06330 (15120519)

645141.01 4199980.37 31.26497 (13010518) 645241.01 4199980.37 34.06385 (13022418)
645341.01 4199980.37 36.11446 (15121522) 645441.01 4199980.37 39.33508 (14120120)
645541.01 4199980.37 43.55141 (17121502) 645641.01 4199980.37 45.06807 (17011603)
645741.01 4199980.37 46.88629 (17122420) 645841.01 4199980.37 50.47005 (17021904)
645941.01 4199980.37 52.28660 (17121920) 646041.01 4199980.37 50.86488 (17021418)
646141.01 4199980.37 46.63800 (17122220) 646241.01 4199980.37 44.09541 (17011220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	41.11298	(17012606)	646441.01	4199980.37	34.42104	(17012919)
646541.01	4199980.37	32.34274	(17122517)	646641.01	4199980.37	30.41213	(17120117)
646741.01	4199980.37	26.86014	(17012607)	646841.01	4199980.37	23.97670	(17012607)
646941.01	4199980.37	23.34397	(17021419)	647041.01	4199980.37	21.15012	(17013121)
647141.01	4199980.37	19.49636	(17013121)	647241.01	4199980.37	18.52610	(17121518)
647341.01	4199980.37	16.68060	(17121518)	644341.01	4200080.37	18.12147	(17120623)
644441.01	4200080.37	19.56335	(17011702)	644541.01	4200080.37	20.94293	(17121205)
644641.01	4200080.37	23.26881	(17121205)	644741.01	4200080.37	23.66638	(17121205)
644841.01	4200080.37	25.86455	(14021403)	644941.01	4200080.37	28.91541	(17020902)
645041.01	4200080.37	31.23781	(14022024)	645141.01	4200080.37	34.92295	(15120519)
645241.01	4200080.37	37.94660	(15120208)	645341.01	4200080.37	41.73092	(17122817)
645441.01	4200080.37	44.72655	(14020221)	645541.01	4200080.37	50.63173	(17122818)

645641.01 4200080.37 54.06145 (17122819) 645741.01 4200080.37 55.53399 (17122420)
645841.01 4200080.37 60.70226 (17021904) 645941.01 4200080.37 61.57461 (17121920)
646041.01 4200080.37 59.45103 (17021418) 646141.01 4200080.37 52.81028 (17020820)
646241.01 4200080.37 52.02946 (17012606) 646341.01 4200080.37 40.83372 (17011805)
646441.01 4200080.37 40.04252 (17122517) 646541.01 4200080.37 36.67629 (17120117)
646641.01 4200080.37 32.15332 (17012607) 646741.01 4200080.37 28.56194 (17011317)
646841.01 4200080.37 27.04279 (17021419) 646941.01 4200080.37 24.56441 (17013121)
647041.01 4200080.37 22.70525 (17121518) 647141.01 4200080.37 20.52055 (17121518)
647241.01 4200080.37 17.34784 (17121518) 647341.01 4200080.37 13.93681 (17121518)
644341.01 4200180.37 19.02846 (17121902) 644441.01 4200180.37 20.61347 (17120623)
644541.01 4200180.37 22.28855 (17120623) 644641.01 4200180.37 24.20598 (17011702)
644741.01 4200180.37 26.55885 (17121205) 644841.01 4200180.37 29.27257 (17121205)
644941.01 4200180.37 30.05319 (17012723) 645041.01 4200180.37 34.44225 (17020902)
645141.01 4200180.37 37.82539 (15120820) 645241.01 4200180.37 43.14851 (15120519)
645341.01 4200180.37 47.63227 (15120208) 645441.01 4200180.37 53.13226 (15120819)
645541.01 4200180.37 58.35472 (14120120) 645641.01 4200180.37 64.74985 (17121502)
645741.01 4200180.37 67.08931 (17011604) 645841.01 4200180.37 74.94601 (17021904)
645941.01 4200180.37 72.98958 (17020504) 646041.01 4200180.37 71.04520 (17122220)
646141.01 4200180.37 65.56985 (17011220) 646241.01 4200180.37 56.53022 (17012606)
646341.01 4200180.37 50.82099 (17122517) 646441.01 4200180.37 45.40820 (17120117)
646541.01 4200180.37 39.26479 (17012607) 646641.01 4200180.37 35.26671 (17021419)
646741.01 4200180.37 31.49627 (17013121) 646841.01 4200180.37 28.56079 (17121518)

646941.01 4200180.37 26.02409 (17121518) 647041.01 4200180.37 21.75152 (17121518)
647141.01 4200180.37 17.06882 (17121518) 647241.01 4200180.37 14.47598 (17022807)
647341.01 4200180.37 13.04661 (17011721) 644341.01 4200280.37 19.54061 (17020424)
644441.01 4200280.37 20.56049 (17020424) 644541.01 4200280.37 23.23979 (17121902)
644641.01 4200280.37 25.48876 (17121902) 644741.01 4200280.37 28.33241 (17120623)
644841.01 4200280.37 31.11682 (17011702) 644941.01 4200280.37 35.11589 (17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	37.99940	(17121205)	645141.01	4200280.37	42.10545	(14021403)
645241.01	4200280.37	48.34577	(15120820)	645341.01	4200280.37	55.36797	(15120519)
645441.01	4200280.37	62.12868	(16121304)	645541.01	4200280.37	70.05611	(15121522)
645641.01	4200280.37	80.41080	(17121502)	645741.01	4200280.37	86.36447	(17011604)
645841.01	4200280.37	96.00342	(17021904)	645941.01	4200280.37	94.70879	(17122221)
646041.01	4200280.37	87.10804	(17020820)	646141.01	4200280.37	81.50297	(17012606)
646241.01	4200280.37	66.39092	(17122517)	646341.01	4200280.37	58.37820	(17120117)
646441.01	4200280.37	49.23437	(17012607)	646541.01	4200280.37	44.03699	(17021419)
646641.01	4200280.37	38.35227	(17013121)	646741.01	4200280.37	34.41625	(17121518)
646841.01	4200280.37	28.38376	(17121518)	646941.01	4200280.37	21.56230	(17121518)
647041.01	4200280.37	17.96079	(17022807)	647141.01	4200280.37	16.40845	(17011721)
647241.01	4200280.37	15.42670	(17020503)	647341.01	4200280.37	14.25384	(17020503)

644341.01 4200380.37 20.07319 (17012721) 644441.01 4200380.37 22.08804 (17012721)
644541.01 4200380.37 24.09253 (17020424) 644641.01 4200380.37 26.59629 (17020424)
644741.01 4200380.37 28.90675 (17121902) 644841.01 4200380.37 33.30501 (17121902)
644941.01 4200380.37 37.71250 (17120623) 645041.01 4200380.37 42.29081 (17011702)
645141.01 4200380.37 49.29046 (17121205) 645241.01 4200380.37 52.46098 (17012723)
645341.01 4200380.37 64.02020 (15120820) 645441.01 4200380.37 75.22965 (15120519)
645541.01 4200380.37 87.73687 (13022418) 645641.01 4200380.37 101.73646 (17122818)
645741.01 4200380.37 115.62107 (17011603) 645841.01 4200380.37 129.33720 (17021904)
645941.01 4200380.37 129.80467 (17021418) 646041.01 4200380.37 112.84866 (17011220)
646141.01 4200380.37 89.36377 (17122517) 646241.01 4200380.37 79.10674 (17120117)
646341.01 4200380.37 63.82927 (17012607) 646441.01 4200380.37 55.08021 (17013121)
646541.01 4200380.37 48.34227 (17121518) 646641.01 4200380.37 39.20949 (17121518)
646741.01 4200380.37 28.43825 (17121518) 646841.01 4200380.37 23.06319 (17022807)
646941.01 4200380.37 21.40884 (17020503) 647041.01 4200380.37 19.46852 (17020503)
647141.01 4200380.37 17.42918 (17021401) 647241.01 4200380.37 15.80105 (17021401)
647341.01 4200380.37 14.13314 (17021401) 644341.01 4200480.37 20.59477 (17121802)
644441.01 4200480.37 22.58298 (17121802) 644541.01 4200480.37 24.54250 (17020501)
644641.01 4200480.37 27.36332 (17020501) 644741.01 4200480.37 30.99907 (17012721)
644841.01 4200480.37 34.70465 (17012721) 644941.01 4200480.37 39.58872 (17020424)
645041.01 4200480.37 45.53447 (17121902) 645141.01 4200480.37 53.81033 (17120623)
645241.01 4200480.37 62.86539 (17011702) 645341.01 4200480.37 75.96568 (17121205)
645441.01 4200480.37 89.22579 (17020902) 645541.01 4200480.37 111.13868 (15120519)

645641.01	4200480.37	136.62503	(15120819)	645741.01	4200480.37	166.57160	(17121502)
645841.01	4200480.37	191.28867	(17021904)	645941.01	4200480.37	181.08403	(17122220)
646041.01	4200480.37	151.44896	(17012606)	646141.01	4200480.37	117.83967	(17120117)
646241.01	4200480.37	91.39503	(17021419)	646341.01	4200480.37	74.27124	(17121518)
646441.01	4200480.37	59.34952	(17121518)	646541.01	4200480.37	39.97403	(17121518)
646641.01	4200480.37	32.79191	(17020503)	646741.01	4200480.37	29.08445	(17020503)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	25.25670	(17021401)	646941.01	4200480.37	22.06135	(17021401)
647041.01	4200480.37	19.47378	(17012421)	647141.01	4200480.37	17.60244	(17122722)
647241.01	4200480.37	15.92176	(17122722)	647341.01	4200480.37	14.62924	(17012603)
644341.01	4200580.37	20.64652	(17122606)	644441.01	4200580.37	22.92296	(17122606)
644541.01	4200580.37	25.43170	(17122606)	644641.01	4200580.37	28.15739	(17122606)
644741.01	4200580.37	31.36859	(17121802)	644841.01	4200580.37	36.16591	(17121802)
644941.01	4200580.37	41.28084	(17121802)	645041.01	4200580.37	47.87434	(17020501)
645141.01	4200580.37	57.50281	(17012721)	645241.01	4200580.37	68.89544	(17020424)
645341.01	4200580.37	86.11590	(17121902)	645441.01	4200580.37	108.35433	(17011702)
645541.01	4200580.37	137.38632	(14021403)	645641.01	4200580.37	192.37388	(15120519)
645741.01	4200580.37	261.77620	(17122818)	645841.01	4200580.37	326.36216	(17021904)
645941.01	4200580.37	286.71928	(17011220)	646041.01	4200580.37	205.09911	(17120117)

646141.01 4200580.37 144.90362 (17021419) 646241.01 4200580.37 105.74411 (17121518)
646341.01 4200580.37 62.07318 (17121518) 646441.01 4200580.37 51.15885 (17020503)
646541.01 4200580.37 41.73975 (17021401) 646641.01 4200580.37 34.25564 (17012421)
646741.01 4200580.37 29.50370 (17122722) 646841.01 4200580.37 25.74624 (17012603)
646941.01 4200580.37 22.71893 (17012603) 647041.01 4200580.37 20.01012 (17012603)
647141.01 4200580.37 17.63052 (17012603) 647241.01 4200580.37 15.96920 (17011306)
647341.01 4200580.37 14.67464 (17011306) 644341.01 4200680.37 21.25896 (17122407)
644441.01 4200680.37 23.34152 (17122407) 644541.01 4200680.37 25.75315 (17122407)
644641.01 4200680.37 28.55679 (17122407) 644741.01 4200680.37 31.84425 (17122407)
644841.01 4200680.37 35.69437 (17122407) 644941.01 4200680.37 40.98127 (17122606)
645041.01 4200680.37 49.30909 (17122606) 645141.01 4200680.37 59.84520 (17122606)
645241.01 4200680.37 73.02023 (17122606) 645341.01 4200680.37 93.16988 (17121802)
645441.01 4200680.37 124.74658 (17012721) 645541.01 4200680.37 176.54964 (17020424)
645641.01 4200680.37 276.85193 (17121205) 645741.01 4200680.37 518.35491 (14021209)
645841.01 4200680.37 776.63681 (17021904) 645941.01 4200680.37 509.54752 (17120117)
646041.01 4200680.37 279.79553 (17121518) 646141.01 4200680.37 134.10009 (17020503)
646241.01 4200680.37 91.13784 (17021401) 646341.01 4200680.37 67.51989 (17012603)
646441.01 4200680.37 52.97624 (17012603) 646541.01 4200680.37 42.01876 (17011306)
646641.01 4200680.37 35.48648 (17011306) 646741.01 4200680.37 30.40741 (17021219)
646841.01 4200680.37 26.59642 (17021219) 646941.01 4200680.37 23.45009 (17021219)
647041.01 4200680.37 20.83033 (17021219) 647141.01 4200680.37 18.62953 (17021219)
647241.01 4200680.37 16.76453 (17021219) 647341.01 4200680.37 15.17100 (17021219)

644341.01 4200780.37 21.23517 (17121202) 644441.01 4200780.37 23.36518 (17121202)
644541.01 4200780.37 25.88959 (17121202) 644641.01 4200780.37 28.91520 (17121202)
644741.01 4200780.37 32.60314 (17121202) 644841.01 4200780.37 37.18818 (17120902)
644941.01 4200780.37 43.01220 (17120902) 645041.01 4200780.37 50.61723 (17120902)
645141.01 4200780.37 60.82448 (17120902) 645241.01 4200780.37 75.15224 (17120902)
645341.01 4200780.37 95.91602 (17120902) 645441.01 4200780.37 129.39941 (17120902)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	190.27758	(17120902)	645641.01	4200780.37	332.27198	(17122407)
645741.01	4200780.37	821.69490	(17122407)	646041.01	4200780.37	257.25450	(17120917)
646141.01	4200780.37	144.55087	(17120917)	646241.01	4200780.37	95.92276	(17120917)
646341.01	4200780.37	69.87766	(17120919)	646441.01	4200780.37	54.13331	(17013023)
646541.01	4200780.37	43.65063	(17013023)	646641.01	4200780.37	36.22417	(17013023)
646741.01	4200780.37	30.73948	(17013023)	646841.01	4200780.37	26.52991	(17013023)
646941.01	4200780.37	23.21988	(17013023)	647041.01	4200780.37	20.55919	(17013023)
647141.01	4200780.37	18.38091	(17013023)	647241.01	4200780.37	16.56974	(17013023)
647341.01	4200780.37	15.04371	(17013023)	644341.01	4200880.37	21.71914	(17013108)
644441.01	4200880.37	23.94109	(17013108)	644541.01	4200880.37	26.52844	(17013108)
644641.01	4200880.37	29.58383	(17013108)	644741.01	4200880.37	33.19489	(17013108)
644841.01	4200880.37	37.85933	(17011619)	644941.01	4200880.37	43.91992	(17011619)

645041.01	4200880.37	51.44523	(17011619)	645141.01	4200880.37	61.15968	(17011601)
645241.01	4200880.37	75.16978	(17011601)	645341.01	4200880.37	95.98143	(17011524)
645441.01	4200880.37	128.93227	(17012402)	645541.01	4200880.37	187.59797	(17020508)
645641.01	4200880.37	300.59769	(17020721)	645741.01	4200880.37	416.40633	(16112016)
645841.01	4200880.37	770.77416	(17121416)	645941.01	4200880.37	479.34994	(17011918)
646041.01	4200880.37	247.88231	(13020617)	646141.01	4200880.37	135.03318	(15010620)
646241.01	4200880.37	92.80598	(13021318)	646341.01	4200880.37	69.51856	(16012718)
646441.01	4200880.37	53.67446	(13012502)	646541.01	4200880.37	43.38909	(14120622)
646641.01	4200880.37	36.46221	(14120622)	646741.01	4200880.37	31.06088	(14120622)
646841.01	4200880.37	26.76973	(14120622)	646941.01	4200880.37	23.44504	(13012418)
647041.01	4200880.37	20.72926	(13012418)	647141.01	4200880.37	18.47162	(13012418)
647241.01	4200880.37	16.57433	(13012418)	647341.01	4200880.37	15.04078	(16022422)
644341.01	4200980.37	21.31569	(17012503)	644441.01	4200980.37	23.46885	(17011601)
644541.01	4200980.37	25.91772	(17011601)	644641.01	4200980.37	28.59066	(17011601)
644741.01	4200980.37	32.33695	(17120103)	644841.01	4200980.37	36.94847	(17011524)
644941.01	4200980.37	42.11262	(17011524)	645041.01	4200980.37	49.79712	(17012402)
645141.01	4200980.37	59.52145	(17011123)	645241.01	4200980.37	72.85824	(17020508)
645341.01	4200980.37	89.20812	(17120521)	645441.01	4200980.37	119.76774	(17020721)
645541.01	4200980.37	144.91471	(17011108)	645641.01	4200980.37	151.33576	(17020405)
645741.01	4200980.37	231.66193	(17122723)	645841.01	4200980.37	275.12849	(17020906)
645941.01	4200980.37	252.90863	(17121905)	646041.01	4200980.37	178.80020	(17011918)
646141.01	4200980.37	129.67462	(17013119)	646241.01	4200980.37	84.40626	(14021118)

646341.01 4200980.37 64.12298 (14021424) 646441.01 4200980.37 51.06315 (15010620)
646541.01 4200980.37 41.75974 (16120318) 646641.01 4200980.37 34.96869 (13021318)
646741.01 4200980.37 30.09611 (16012718) 646841.01 4200980.37 26.32579 (16012718)
646941.01 4200980.37 23.01911 (15021818) 647041.01 4200980.37 20.33911 (15021818)
647141.01 4200980.37 18.18856 (13012502) 647241.01 4200980.37 16.29603 (13012502)
647341.01 4200980.37 14.92859 (14120622) 644341.01 4201080.37 21.06348 (17011524)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	22.93949	(17011524)	644541.01	4201080.37	25.15826	(17012402)
644641.01	4201080.37	28.44346	(17012402)	644741.01	4201080.37	31.69872	(17011123)
644841.01	4201080.37	36.24935	(17011123)	644941.01	4201080.37	41.58045	(17020508)
645041.01	4201080.37	46.76739	(17120521)	645141.01	4201080.37	56.01093	(17120823)
645241.01	4201080.37	68.49549	(17020721)	645341.01	4201080.37	78.20966	(17011108)
645441.01	4201080.37	73.54078	(17011108)	645541.01	4201080.37	85.83440	(17020405)
645641.01	4201080.37	108.57815	(17011124)	645741.01	4201080.37	140.86010	(17020101)
645841.01	4201080.37	153.47871	(17121917)	645941.01	4201080.37	154.99170	(17021304)
646041.01	4201080.37	129.53918	(17120123)	646141.01	4201080.37	100.85886	(17011918)
646241.01	4201080.37	80.80181	(17012922)	646341.01	4201080.37	62.59879	(17122322)
646441.01	4201080.37	47.55104	(14021118)	646541.01	4201080.37	39.40726	(16011522)
646641.01	4201080.37	33.44683	(15010620)	646741.01	4201080.37	28.92513	(15010620)

646841.01 4201080.37 25.00875 (16010222) 646941.01 4201080.37 22.30185 (16120318)
647041.01 4201080.37 19.80541 (13021318) 647141.01 4201080.37 17.86882 (13021318)
647241.01 4201080.37 16.29001 (16012718) 647341.01 4201080.37 14.92564 (16012718)
644341.01 4201180.37 20.67941 (17012402) 644441.01 4201180.37 22.81429 (17011123)
644541.01 4201180.37 24.96893 (17011123) 644641.01 4201180.37 27.90365 (17020508)
644741.01 4201180.37 30.32450 (17020508) 644841.01 4201180.37 34.25761 (17011523)
644941.01 4201180.37 39.18077 (17120823) 645041.01 4201180.37 45.97651 (17020721)
645141.01 4201180.37 50.36660 (17011108) 645241.01 4201180.37 52.18803 (17011108)
645341.01 4201180.37 47.79220 (17120620) 645441.01 4201180.37 57.23096 (17020405)
645541.01 4201180.37 67.50604 (17120101) 645641.01 4201180.37 87.37328 (17122723)
645741.01 4201180.37 101.87276 (17121417) 645841.01 4201180.37 100.56676 (17121917)
645941.01 4201180.37 106.75902 (17021304) 646041.01 4201180.37 94.84529 (17121905)
646141.01 4201180.37 81.47855 (17012707) 646241.01 4201180.37 67.17893 (17011918)
646341.01 4201180.37 57.84325 (17012922) 646441.01 4201180.37 49.04928 (17013119)
646541.01 4201180.37 37.80210 (17122322) 646641.01 4201180.37 31.66295 (14021118)
646741.01 4201180.37 27.66531 (16022321) 646841.01 4201180.37 24.19275 (14021424)
646941.01 4201180.37 21.61880 (15010620) 647041.01 4201180.37 19.34390 (15010620)
647141.01 4201180.37 17.31055 (16010222) 647241.01 4201180.37 15.78065 (16120318)
647341.01 4201180.37 14.46565 (16120318) 644341.01 4201280.37 20.45138 (17020508)
644441.01 4201280.37 21.83737 (17020508) 644541.01 4201280.37 23.90746 (17120521)
644641.01 4201280.37 26.57556 (17120823) 644741.01 4201280.37 29.25862 (17010901)
644841.01 4201280.37 33.74403 (17020721) 644941.01 4201280.37 35.83363 (17011108)

645041.01	4201280.37	38.36684	(17011108)	645141.01	4201280.37	34.41411	(17011108)
645241.01	4201280.37	36.34140	(17120620)	645341.01	4201280.37	41.80055	(17020405)
645441.01	4201280.37	47.98934	(17120101)	645541.01	4201280.37	57.10706	(17121506)
645641.01	4201280.37	66.58332	(17121822)	645741.01	4201280.37	73.95526	(17121417)
645841.01	4201280.37	74.04096	(17121917)	645941.01	4201280.37	77.40790	(17011706)
646041.01	4201280.37	65.00142	(17120204)	646141.01	4201280.37	66.34812	(17121820)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	56.40589	(17012707)	646341.01	4201280.37	49.10458	(17120701)
646441.01	4201280.37	43.22436	(17012922)	646541.01	4201280.37	38.08596	(17013119)
646641.01	4201280.37	32.57991	(17122322)	646741.01	4201280.37	26.04591	(14022421)
646841.01	4201280.37	23.10346	(14021118)	646941.01	4201280.37	20.84113	(14021118)
647041.01	4201280.37	18.55264	(16011522)	647141.01	4201280.37	16.87967	(14021424)
647241.01	4201280.37	15.48860	(15010620)	647341.01	4201280.37	14.14710	(15010620)
644341.01	4201380.37	19.51942	(17011523)	644441.01	4201380.37	21.43479	(17120823)
644541.01	4201380.37	23.31779	(17020721)	644641.01	4201380.37	26.19562	(17020721)
644741.01	4201380.37	27.37372	(17020721)	644841.01	4201380.37	29.47567	(17011108)
644941.01	4201380.37	28.32172	(17011108)	645041.01	4201380.37	25.20443	(17020803)
645141.01	4201380.37	28.67749	(17010204)	645241.01	4201380.37	32.33069	(17020405)
645341.01	4201380.37	35.98498	(17120101)	645441.01	4201380.37	40.71934	(17011124)

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       645541.01   4201380.37       49.42525  (17122723)              645641.01   4201380.37       53.64132
(17020101)
       645741.01   4201380.37       55.22341  (17012906)              645841.01   4201380.37       57.16532
(17121917)
       645941.01   4201380.37       62.49342  (17120719)              646041.01   4201380.37       57.66878
(17021304)
       646141.01   4201380.37       53.31756  (17121905)              646241.01   4201380.37       48.94549
(17120123)
       646341.01   4201380.37       42.50536  (17022507)              646441.01   4201380.37       38.02353
(17120701)
       646541.01   4201380.37       33.62190  (17010908)              646641.01   4201380.37       30.55203
(17012922)
       646741.01   4201380.37       27.82707  (17013119)              646841.01   4201380.37       23.48738
(17122322)
       646941.01   4201380.37       19.72093  (14022421)              647041.01   4201380.37       17.85029
(14021118)
       647141.01   4201380.37       16.48417  (14021118)              647241.01   4201380.37       14.89973
(16011522)
       647341.01   4201380.37       13.67228  (14021424)              644341.01   4201480.37       19.19418
(17020721)
       644441.01   4201480.37       21.13312  (17020721)              644541.01   4201480.37       21.93675
(17020721)
       644641.01   4201480.37       23.45659  (17011108)              644741.01   4201480.37       23.38662
(17011108)
       644841.01   4201480.37       20.71889  (17011108)              644941.01   4201480.37       21.13410
(17020408)
       645041.01   4201480.37       23.41465  (17120102)              645141.01   4201480.37       26.02411
(17020405)
       645241.01   4201480.37       28.44186  (17010205)              645341.01   4201480.37       31.71594
(17011124)
       645441.01   4201480.37       36.60515  (17121506)              645541.01   4201480.37       40.26228
(17122723)
       645641.01   4201480.37       44.96470  (17121921)              645741.01   4201480.37       45.35457
(17012906)
       645841.01   4201480.37       45.95680  (17121917)              645941.01   4201480.37       51.07525
(17120719)
       646041.01   4201480.37       48.88144  (17021304)              646141.01   4201480.37       41.09808
(17121905)
       646241.01   4201480.37       42.38295  (17121820)              646341.01   4201480.37       38.35670
(17120123)
       646441.01   4201480.37       34.14930  (17022507)              646541.01   4201480.37       30.62698
(17120701)
       646641.01   4201480.37       27.38316  (17010908)              646741.01   4201480.37       25.76067
(17012922)
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646841.01	4201480.37	23.45036	(17013119)	646941.01	4201480.37	20.92976	(17013119)
647041.01	4201480.37	17.73234	(17122322)	647141.01	4201480.37	15.60871	(14022421)
647241.01	4201480.37	14.37130	(13121418)	647341.01	4201480.37	13.47054	(14021118)
644341.01	4201580.37	18.11469	(17020721)	644441.01	4201580.37	19.20196	(17011108)
644541.01	4201580.37	19.55302	(17011108)	644641.01	4201580.37	18.22580	(17011108)
644741.01	4201580.37	16.22187	(17020803)	644841.01	4201580.37	18.12419	(17120620)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	19.72698	(17120221)	645041.01	4201580.37	21.56655	(17020405)
645141.01	4201580.37	23.39364	(17010205)	645241.01	4201580.37	25.23753	(17122217)
645341.01	4201580.37	28.32831	(17121506)	645441.01	4201580.37	33.01978	(17122723)
645541.01	4201580.37	35.10937	(17121822)	645641.01	4201580.37	38.44665	(17121417)
645741.01	4201580.37	37.64359	(17012906)	645841.01	4201580.37	38.03893	(17121917)
645941.01	4201580.37	42.23169	(17120719)	646041.01	4201580.37	40.24962	(17011607)
646141.01	4201580.37	33.95409	(17021304)	646241.01	4201580.37	35.64467	(17121905)
646341.01	4201580.37	33.03807	(17011707)	646441.01	4201580.37	30.80274	(17012707)
646541.01	4201580.37	28.16311	(17022507)	646641.01	4201580.37	25.39907	(17120701)
646741.01	4201580.37	22.99347	(17123004)	646841.01	4201580.37	21.87744	(17012922)
646941.01	4201580.37	19.67759	(17013119)	647041.01	4201580.37	18.61239	(17013119)
647141.01	4201580.37	16.39503	(17122322)	647241.01	4201580.37	13.86137	(17122322)

647341.01 4201580.37 12.78169 (13012503) 644341.01 4201680.37 16.58209 (17011108)
644441.01 4201680.37 15.96537 (17011108) 644541.01 4201680.37 14.10104 (17011108)
644641.01 4201680.37 14.30533 (17020803) 644741.01 4201680.37 15.71604 (17120620)
644841.01 4201680.37 16.93483 (17120221) 644941.01 4201680.37 18.27413 (17020405)
645041.01 4201680.37 19.66670 (17010205) 645141.01 4201680.37 21.26754 (17120101)
645241.01 4201680.37 22.98297 (17011124) 645341.01 4201680.37 25.90271 (17121506)
645441.01 4201680.37 28.43076 (17122723) 645541.01 4201680.37 30.37834 (17020101)
645641.01 4201680.37 32.58770 (17121417) 645741.01 4201680.37 31.63580 (17012906)
645841.01 4201680.37 32.22186 (17121917) 645941.01 4201680.37 35.34671 (17120719)
646041.01 4201680.37 33.60386 (17122703) 646141.01 4201680.37 32.25364 (17021304)
646241.01 4201680.37 29.29737 (17121905) 646341.01 4201680.37 29.85432 (17121820)
646441.01 4201680.37 27.61866 (17120123) 646541.01 4201680.37 25.42470 (17012707)
646641.01 4201680.37 23.71580 (17022507) 646741.01 4201680.37 21.53175 (17120701)
646841.01 4201680.37 19.83604 (17123004) 646941.01 4201680.37 18.73563 (17012922)
647041.01 4201680.37 17.26127 (17012922) 647141.01 4201680.37 16.36233 (17013119)
647241.01 4201680.37 14.95862 (17013119) 647341.01 4201680.37 13.19224 (17122322)
644341.01 4201780.37 12.88202 (17011108) 644441.01 4201780.37 11.61971 (17011422)
644541.01 4201780.37 12.67434 (17020408) 644641.01 4201780.37 13.73770 (17120620)
644741.01 4201780.37 14.73722 (17120221) 644841.01 4201780.37 15.75304 (17020405)
644941.01 4201780.37 16.82687 (17010205) 645041.01 4201780.37 18.14938 (17120101)
645141.01 4201780.37 19.50814 (17011124) 645241.01 4201780.37 21.54837 (17121506)
645341.01 4201780.37 24.14098 (17122723) 645441.01 4201780.37 25.17253 (17121822)

645541.01	4201780.37	26.96463	(17121921)	645641.01	4201780.37	27.37559 (17121417)
645741.01	4201780.37	26.90607	(17012906)	645841.01	4201780.37	27.71337 (17121917)
645941.01	4201780.37	30.24247	(17021222)	646041.01	4201780.37	29.03929 (17122703)
646141.01	4201780.37	29.29762	(17021304)	646241.01	4201780.37	24.45860 (17120204)
646341.01	4201780.37	26.08503	(17121905)	646441.01	4201780.37	24.98885 (17121820)
646541.01	4201780.37	23.51203	(17120123)	646641.01	4201780.37	21.16912 (17012707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	20.27277	(17022507)	646841.01	4201780.37	18.54784	(17120701)
646941.01	4201780.37	17.30654	(17123004)	647041.01	4201780.37	16.15651	(17012922)
647141.01	4201780.37	15.42706	(17012922)	647241.01	4201780.37	14.28807	(17013119)
647341.01	4201780.37	13.61964	(17013119)	644341.01	4201880.37	10.50975	(17020803)
644441.01	4201880.37	11.34466	(17120620)	644541.01	4201880.37	12.14675	(17010204)
644641.01	4201880.37	12.96885	(17120221)	644741.01	4201880.37	13.77435	(17020405)
644841.01	4201880.37	14.61585	(17120222)	644941.01	4201880.37	15.64394	(17120101)
645041.01	4201880.37	16.56088	(17011124)	645141.01	4201880.37	17.65805	(17010304)
645241.01	4201880.37	19.51651	(17121506)	645341.01	4201880.37	21.48564	(17122723)
645441.01	4201880.37	22.48615	(17121822)	645541.01	4201880.37	23.98406	(17121417)
645641.01	4201880.37	22.89924	(17121417)	645741.01	4201880.37	23.74117	(17020906)
645841.01	4201880.37	24.22184	(17121917)	645941.01	4201880.37	26.56185	(17021222)

646041.01 4201880.37 25.92777 (17011706) 646141.01 4201880.37 25.93388 (17021304)
646241.01 4201880.37 22.13594 (17021304) 646341.01 4201880.37 22.30672 (17121905)
646441.01 4201880.37 22.52208 (17121820) 646541.01 4201880.37 21.06226 (17011707)
646641.01 4201880.37 19.99077 (17120123) 646741.01 4201880.37 17.85716 (17012707)
646841.01 4201880.37 17.60821 (17022507) 646941.01 4201880.37 16.22132 (17120701)
647041.01 4201880.37 15.29336 (17123004) 647141.01 4201880.37 14.24107 (17010908)
647241.01 4201880.37 13.79409 (17012922) 647341.01 4201880.37 12.53356 (17013123)
644341.01 4201980.37 10.27503 (17120620) 644441.01 4201980.37 10.85339 (17010204)
644541.01 4201980.37 11.52436 (17120221) 644641.01 4201980.37 12.18279 (17020405)
644741.01 4201980.37 12.87893 (17120222) 644841.01 4201980.37 13.61207 (17120101)
644941.01 4201980.37 14.27687 (17122217) 645041.01 4201980.37 15.31424 (17011124)
645141.01 4201980.37 17.00485 (17121506) 645241.01 4201980.37 18.66232 (17122723)
645341.01 4201980.37 18.94576 (17121822) 645441.01 4201980.37 20.26269 (17020101)
645541.01 4201980.37 21.73721 (17121417) 645641.01 4201980.37 20.76780 (17012906)
645741.01 4201980.37 21.34427 (17020906) 645841.01 4201980.37 21.49166 (17121917)
645941.01 4201980.37 23.54834 (17021222) 646041.01 4201980.37 23.47554 (17120719)
646141.01 4201980.37 22.75375 (17011607) 646241.01 4201980.37 21.43821 (17021304)
646341.01 4201980.37 18.72628 (17120204) 646441.01 4201980.37 20.24653 (17121905)
646541.01 4201980.37 19.75056 (17121820) 646641.01 4201980.37 18.40136 (17120123)
646741.01 4201980.37 17.44898 (17012707) 646841.01 4201980.37 15.82502 (17022507)
646941.01 4201980.37 15.49226 (17022507) 647041.01 4201980.37 14.37548 (17120701)
647141.01 4201980.37 13.65621 (17123004) 647241.01 4201980.37 12.72548 (17010908)

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       647341.01   4201980.37       12.37201  (17012922)              644341.01   4202080.37        9.75910
(17120102)
       644441.01   4202080.37       10.32779  (17021223)              644541.01   4202080.37       10.88033
(17020405)
       644641.01   4202080.37       11.47963  (17022120)              644741.01   4202080.37       11.94687
(17120101)
       644841.01   4202080.37       12.67368  (17120101)              644941.01   4202080.37       13.57865
(17011124)
       645041.01   4202080.37       14.48961  (17121506)              645141.01   4202080.37       15.53834
(17122723)
       645241.01   4202080.37       16.97991  (17122723)              645341.01   4202080.37       17.66386
(17121822)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	18.46944	(17121921)	645541.01	4202080.37	19.47904	(17121417)
645641.01	4202080.37	18.88236	(17012906)	645741.01	4202080.37	19.26417	(17020906)
645841.01	4202080.37	19.20447	(17121917)	645941.01	4202080.37	20.99542	(17021222)
646041.01	4202080.37	21.29894	(17120719)	646141.01	4202080.37	19.98100	(17122822)
646241.01	4202080.37	20.12992	(17021304)	646341.01	4202080.37	16.92254	(17120204)
646441.01	4202080.37	17.74483	(17121905)	646541.01	4202080.37	17.71231	(17121820)
646641.01	4202080.37	16.87227	(17121820)	646741.01	4202080.37	16.38429	(17120123)
646841.01	4202080.37	15.33268	(17012707)	646941.01	4202080.37	14.21345	(17022507)
647041.01	4202080.37	13.74590	(17022507)	647141.01	4202080.37	12.84630	(17120701)
647241.01	4202080.37	12.27696	(17123004)	647341.01	4202080.37	11.43411	(17010908)
644341.01	4202180.37	9.34847	(17021223)	644441.01	4202180.37	9.79808	(17020405)
644541.01	4202180.37	10.32784	(17022120)	644641.01	4202180.37	10.70453	(17011705)

644741.01 4202180.37 11.37950 (17120101) 644841.01 4202180.37 11.98975 (17011124)
644941.01 4202180.37 12.52960 (17010304) 645041.01 4202180.37 13.80602 (17121506)
645141.01 4202180.37 15.03738 (17122723) 645241.01 4202180.37 14.86506 (17121822)
645341.01 4202180.37 15.97460 (17121822) 645441.01 4202180.37 17.02257 (17121921)
645541.01 4202180.37 17.28089 (17121417) 645641.01 4202180.37 17.15236 (17012906)
645741.01 4202180.37 17.48743 (17020906) 645841.01 4202180.37 17.30488 (17121917)
645941.01 4202180.37 18.84668 (17021222) 646041.01 4202180.37 19.31843 (17120719)
646141.01 4202180.37 18.13680 (17122703) 646241.01 4202180.37 18.48916 (17021304)
646341.01 4202180.37 15.88918 (17021304) 646441.01 4202180.37 14.89748 (17121905)
646541.01 4202180.37 16.30786 (17121905) 646641.01 4202180.37 16.03034 (17121820)
646741.01 4202180.37 14.97895 (17011707) 646841.01 4202180.37 14.50261 (17120123)
646941.01 4202180.37 13.50775 (17012707) 647041.01 4202180.37 12.83533 (17022507)
647141.01 4202180.37 12.30036 (17022507) 647241.01 4202180.37 11.57512 (17120701)
647341.01 4202180.37 11.11443 (17123004) 644341.01 4202280.37 8.88666 (17020405)
644441.01 4202280.37 9.35061 (17022120) 644541.01 4202280.37 9.67809 (17010205)
644641.01 4202280.37 10.26317 (17120101) 644741.01 4202280.37 10.60929 (17122405)
644841.01 4202280.37 11.16756 (17011124) 644941.01 4202280.37 12.16330 (17121506)
645041.01 4202280.37 12.83373 (17122723) 645141.01 4202280.37 13.89103 (17122723)
645241.01 4202280.37 14.25309 (17121822) 645341.01 4202280.37 14.84294 (17020101)
645441.01 4202280.37 15.65981 (17121417) 645541.01 4202280.37 15.25323 (17121417)
645641.01 4202280.37 15.59460 (17012906) 645741.01 4202280.37 15.95080 (17020906)
645841.01 4202280.37 15.69888 (17121917) 645941.01 4202280.37 17.00829 (17021222)

646041.01 4202280.37 17.53530 (17120719) 646141.01 4202280.37 16.44995 (17122703)
646241.01 4202280.37 16.71916 (17021304) 646341.01 4202280.37 15.56576 (17021304)
646441.01 4202280.37 13.82101 (17120204) 646541.01 4202280.37 14.56037 (17121905)
646641.01 4202280.37 14.38483 (17121820) 646741.01 4202280.37 14.15851 (17121820)
646841.01 4202280.37 13.42345 (17120123) 646941.01 4202280.37 12.84789 (17012707)
647041.01 4202280.37 11.94344 (17012707) 647141.01 4202280.37 11.65464 (17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***

INCLUDING SOURCE(S): L0005534 , L0005535 , L0005536 , L0005537 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	11.08799	(17022507)	647341.01	4202280.37	10.50427	(17120701)
645946.01	4200731.54	672.18186	(17121518)	645933.67	4200896.54	448.11259	(17022507)
645889.89	4200889.80	607.06284	(17121905)	645847.24	4200866.23	1094.45336	(17041107)
645697.97	4200718.07	449.35950	(17120623)	645704.70	4200712.46	460.25886	(17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	9.48334	(13121718)	646506.52	4202111.83	19.84851	(17121904)
645939.20	4200707.16	389.13115	(17011508)	644341.01	4199280.37	12.37110	(15120519)
644441.01	4199280.37	13.01024	(16012623)	644541.01	4199280.37	13.58682	(14121206)
644641.01	4199280.37	14.20591	(16121304)	644741.01	4199280.37	15.02866	(14120118)
644841.01	4199280.37	15.34204	(16011024)	644941.01	4199280.37	16.19853	(16021001)
645041.01	4199280.37	16.72657	(14022424)	645141.01	4199280.37	17.12099	(14120120)
645241.01	4199280.37	17.61708	(17121307)	645341.01	4199280.37	18.51493	(14010617)
645441.01	4199280.37	19.29955	(17010208)	645541.01	4199280.37	19.55649	(17011604)
645641.01	4199280.37	19.94819	(17011207)	645741.01	4199280.37	19.75369	(17122707)
645841.01	4199280.37	20.81398	(17021904)	645941.01	4199280.37	21.42845	(17012524)
646041.01	4199280.37	20.83270	(17121920)	646141.01	4199280.37	20.51128	(17120606)
646241.01	4199280.37	20.24228	(17021418)	646341.01	4199280.37	20.15407	(17011120)

646441.01 4199280.37 19.39018 (17020820) 646541.01 4199280.37 17.24251 (17122518)
646641.01 4199280.37 17.34013 (17011220) 646741.01 4199280.37 17.35186 (17012606)
646841.01 4199280.37 15.62268 (17011805) 646941.01 4199280.37 14.96321 (17011301)
647041.01 4199280.37 15.13638 (17122517) 647141.01 4199280.37 14.77170 (17122517)
647241.01 4199280.37 13.57861 (17021407) 647341.01 4199280.37 13.28266 (17021407)
644341.01 4199380.37 12.93185 (13020305) 644441.01 4199380.37 13.57855 (15120519)
644541.01 4199380.37 14.34934 (16012623) 644641.01 4199380.37 14.92930 (14121206)
644741.01 4199380.37 15.71023 (16121304) 644841.01 4199380.37 16.56945 (17122817)
644941.01 4199380.37 17.14916 (16021001) 645041.01 4199380.37 17.93131 (14010818)
645141.01 4199380.37 18.76613 (14120120) 645241.01 4199380.37 19.46051 (17121307)
645341.01 4199380.37 19.90751 (17121502) 645441.01 4199380.37 20.94401 (17010208)
645541.01 4199380.37 21.23676 (17012817) 645641.01 4199380.37 21.67468 (17011207)
645741.01 4199380.37 21.74781 (17122707) 645841.01 4199380.37 22.81489 (17021904)
645941.01 4199380.37 23.40900 (17012524) 646041.01 4199380.37 23.04744 (17020504)
646141.01 4199380.37 22.32157 (17120606) 646241.01 4199380.37 21.91348 (17011801)
646341.01 4199380.37 21.68052 (17011120) 646441.01 4199380.37 20.56392 (17020820)
646541.01 4199380.37 19.14052 (17011220) 646641.01 4199380.37 19.16431 (17012606)
646741.01 4199380.37 17.89000 (17012606) 646841.01 4199380.37 16.42335 (17011301)
646941.01 4199380.37 15.74804 (17122517) 647041.01 4199380.37 15.85931 (17122517)
647141.01 4199380.37 14.86829 (17021407) 647241.01 4199380.37 14.74353 (17021407)
647341.01 4199380.37 14.05881 (17013019) 644341.01 4199480.37 13.40513 (17020104)
644441.01 4199480.37 14.23758 (13020305) 644541.01 4199480.37 15.00225 (15120519)

644641.01 4199480.37 15.92738 (16012623) 644741.01 4199480.37 16.49955 (16020605)
644841.01 4199480.37 17.69912 (14120118) 644941.01 4199480.37 18.42262 (17122817)
645041.01 4199480.37 19.50311 (16021001) 645141.01 4199480.37 20.22389 (14022424)
645241.01 4199480.37 20.83476 (17121307) 645341.01 4199480.37 21.70650 (17121502)
645441.01 4199480.37 22.43743 (15010217) 645541.01 4199480.37 23.21277 (17012817)
645641.01 4199480.37 23.69365 (17122706) 645741.01 4199480.37 24.06714 (17122707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	25.16827	(17021904)	645941.01	4199480.37	25.69670	(17012524)
646041.01	4199480.37	25.63322	(17020504)	646141.01	4199480.37	24.75361	(17122221)
646241.01	4199480.37	24.39369	(17012920)	646341.01	4199480.37	23.55769	(17020820)
646441.01	4199480.37	21.32544	(17122518)	646541.01	4199480.37	20.91236	(17011220)
646641.01	4199480.37	20.72232	(17012606)	646741.01	4199480.37	18.21141	(17011805)
646841.01	4199480.37	17.75552	(17011301)	646941.01	4199480.37	17.16550	(17122517)
647041.01	4199480.37	15.67260	(17120117)	647141.01	4199480.37	15.69058	(17120117)
647241.01	4199480.37	15.18510	(17013019)	647341.01	4199480.37	14.28460	(17013019)
644341.01	4199580.37	14.19669	(15120820)	644441.01	4199580.37	14.78969	(15012407)
644541.01	4199580.37	15.78341	(13020305)	644641.01	4199580.37	16.70146	(15120519)
644741.01	4199580.37	17.80706	(16012623)	644841.01	4199580.37	18.58349	(16121304)
644941.01	4199580.37	20.10185	(14120118)	645041.01	4199580.37	20.67482	(16011024)

645141.01 4199580.37 21.81701 (14010818) 645241.01 4199580.37 23.04751 (14120120)
645341.01 4199580.37 23.90712 (17121307) 645441.01 4199580.37 24.94849 (14010617)
645541.01 4199580.37 25.83726 (17010208) 645641.01 4199580.37 26.25553 (17122706)
645741.01 4199580.37 26.78473 (17122707) 645841.01 4199580.37 27.99342 (17123009)
645941.01 4199580.37 28.35784 (17012524) 646041.01 4199580.37 28.53086 (17020504)
646141.01 4199580.37 27.37090 (17122221) 646241.01 4199580.37 27.12592 (17011120)
646341.01 4199580.37 25.77083 (17020820) 646441.01 4199580.37 23.45547 (17011220)
646541.01 4199580.37 23.52308 (17012606) 646641.01 4199580.37 21.10449 (17011805)
646741.01 4199580.37 20.06545 (17011301) 646841.01 4199580.37 19.36944 (17122517)
646941.01 4199580.37 17.30194 (17120117) 647041.01 4199580.37 17.35919 (17120117)
647141.01 4199580.37 16.46147 (17013019) 647241.01 4199580.37 15.37775 (17012607)
647341.01 4199580.37 14.39446 (17122708) 644341.01 4199680.37 14.92417 (17020902)
644441.01 4199680.37 15.81486 (17020902) 644541.01 4199680.37 16.49581 (15012407)
644641.01 4199680.37 17.63662 (13020305) 644741.01 4199680.37 18.75832 (15120519)
644841.01 4199680.37 20.11855 (14121206) 644941.01 4199680.37 21.25158 (16121304)
645041.01 4199680.37 22.82585 (14120118) 645141.01 4199680.37 23.95471 (16021001)
645241.01 4199680.37 25.16923 (14022424) 645341.01 4199680.37 26.30507 (17121307)
645441.01 4199680.37 27.36309 (17121502) 645541.01 4199680.37 29.07362 (17010208)
645641.01 4199680.37 29.47266 (17011604) 645741.01 4199680.37 29.99339 (17122707)
645841.01 4199680.37 31.42060 (17123009) 645941.01 4199680.37 31.61972 (17121920)
646041.01 4199680.37 31.73783 (17020504) 646141.01 4199680.37 30.38211 (17021418)
646241.01 4199680.37 29.74235 (17011120) 646341.01 4199680.37 27.19279 (17122518)

646441.01 4199680.37 25.95482 (17011220) 646541.01 4199680.37 25.22317 (17012606)
646641.01 4199680.37 22.69294 (17011301) 646741.01 4199680.37 21.78934 (17122517)
646841.01 4199680.37 19.85733 (17122517) 646941.01 4199680.37 19.43479 (17120117)
647041.01 4199680.37 18.45039 (17013019) 647141.01 4199680.37 17.16786 (17012607)
647241.01 4199680.37 16.02048 (17122708) 647341.01 4199680.37 15.11383 (17123017)
644341.01 4199780.37 15.49110 (15120207) 644441.01 4199780.37 16.62793 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	17.79229	(17020902)	644641.01	4199780.37	18.52900	(15012407)
644741.01	4199780.37	19.89089	(13020305)	644841.01	4199780.37	21.28955	(15120519)
644941.01	4199780.37	23.02713	(14121206)	645041.01	4199780.37	24.45223	(16121304)
645141.01	4199780.37	26.06500	(17122817)	645241.01	4199780.37	27.77798	(16021001)
645341.01	4199780.37	29.31821	(14120120)	645441.01	4199780.37	30.18356	(17121502)
645541.01	4199780.37	32.20932	(17010208)	645641.01	4199780.37	33.38607	(17011604)
645741.01	4199780.37	33.95105	(17011207)	645841.01	4199780.37	35.63192	(17123009)
645941.01	4199780.37	35.99408	(17121920)	646041.01	4199780.37	35.20718	(17020504)
646141.01	4199780.37	34.36418	(17012920)	646241.01	4199780.37	33.20690	(17020820)
646341.01	4199780.37	29.74849	(17011220)	646441.01	4199780.37	29.74523	(17012606)
646541.01	4199780.37	25.78102	(17011805)	646641.01	4199780.37	24.71084	(17122517)
646741.01	4199780.37	22.94841	(17122517)	646841.01	4199780.37	22.08016	(17120117)

646941.01 4199780.37 20.81995 (17013019) 647041.01 4199780.37 19.30535 (17012607)
647141.01 4199780.37 17.89736 (17122708) 647241.01 4199780.37 17.00689 (17123017)
647341.01 4199780.37 15.76869 (17123017) 644341.01 4199880.37 16.26032 (17122406)
644441.01 4199880.37 17.45358 (15022519) 644541.01 4199880.37 18.65130 (14021403)
644641.01 4199880.37 20.10302 (15020520) 644741.01 4199880.37 21.03012 (15120820)
644841.01 4199880.37 22.68001 (13020305) 644941.01 4199880.37 24.46630 (15120519)
645041.01 4199880.37 26.65797 (14121206) 645141.01 4199880.37 28.80240 (14120118)
645241.01 4199880.37 30.20111 (16011024) 645341.01 4199880.37 32.57836 (14022424)
645441.01 4199880.37 34.57903 (17121307) 645541.01 4199880.37 36.43383 (14010617)
645641.01 4199880.37 38.05109 (17012817) 645741.01 4199880.37 39.17291 (17011207)
645841.01 4199880.37 40.90798 (17123009) 645941.01 4199880.37 41.30885 (17121920)
646041.01 4199880.37 39.74456 (17122221) 646141.01 4199880.37 39.53430 (17011120)
646241.01 4199880.37 36.42262 (17020820) 646341.01 4199880.37 33.83960 (17012606)
646441.01 4199880.37 31.37053 (17012606) 646541.01 4199880.37 28.88693 (17011301)
646641.01 4199880.37 27.00142 (17122517) 646741.01 4199880.37 25.44604 (17120117)
646841.01 4199880.37 23.81560 (17013019) 646941.01 4199880.37 21.87824 (17012607)
647041.01 4199880.37 20.07280 (17122708) 647141.01 4199880.37 19.14111 (17123017)
647241.01 4199880.37 17.13481 (17123017) 647341.01 4199880.37 16.37463 (17011307)
644341.01 4199980.37 17.37334 (17122406) 644441.01 4199980.37 18.70109 (17122406)
644541.01 4199980.37 19.69454 (15022519) 644641.01 4199980.37 20.88611 (15120207)
644741.01 4199980.37 22.79454 (15020520) 644841.01 4199980.37 24.38510 (15120820)
644941.01 4199980.37 26.20106 (13020305) 645041.01 4199980.37 28.54866 (15120519)

645141.01 4199980.37 31.27003 (14121206) 645241.01 4199980.37 34.44112 (14120118)
645341.01 4199980.37 36.83575 (16021001) 645441.01 4199980.37 39.19439 (14120120)
645541.01 4199980.37 41.19717 (17121502) 645641.01 4199980.37 43.84472 (17010208)
645741.01 4199980.37 45.66829 (17011207) 645841.01 4199980.37 47.67413 (17123009)
645941.01 4199980.37 47.81643 (17121920) 646041.01 4199980.37 46.30701 (17122221)
646141.01 4199980.37 44.73169 (17011120) 646241.01 4199980.37 39.59451 (17011220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	39.11237	(17012606)	646441.01	4199980.37	34.37174	(17011301)
646541.01	4199980.37	32.09030	(17122517)	646641.01	4199980.37	29.67570	(17120117)
646741.01	4199980.37	27.66026	(17013019)	646841.01	4199980.37	25.03231	(17012607)
646941.01	4199980.37	23.12680	(17123017)	647041.01	4199980.37	21.51461	(17123017)
647141.01	4199980.37	19.33198	(17011307)	647241.01	4199980.37	18.48899	(17011307)
647341.01	4199980.37	16.85050	(17121518)	644341.01	4200080.37	18.03793	(17011803)
644441.01	4200080.37	19.52026	(17011803)	644541.01	4200080.37	21.13895	(17122406)
644641.01	4200080.37	22.59378	(17122406)	644741.01	4200080.37	24.27083	(15022519)
644841.01	4200080.37	26.37111	(14021403)	644941.01	4200080.37	28.69199	(15020520)
645041.01	4200080.37	30.92244	(17020104)	645141.01	4200080.37	33.97890	(15122801)
645241.01	4200080.37	37.23782	(14121206)	645341.01	4200080.37	41.29217	(17122817)
645441.01	4200080.37	44.60961	(14022424)	645541.01	4200080.37	48.09354	(17121307)

645641.01	4200080.37	51.82018	(17010208)	645741.01	4200080.37	53.61520 (17011207)
645841.01	4200080.37	56.75416	(17123009)	645941.01	4200080.37	56.99169 (17020504)
646041.01	4200080.37	54.73074	(17011801)	646141.01	4200080.37	51.85393 (17020820)
646241.01	4200080.37	47.05846	(17012606)	646341.01	4200080.37	40.89419 (17011805)
646441.01	4200080.37	38.78844	(17122517)	646541.01	4200080.37	35.54084 (17120117)
646641.01	4200080.37	32.76218	(17013019)	646741.01	4200080.37	29.21726 (17122708)
646841.01	4200080.37	27.13543	(17123017)	646941.01	4200080.37	24.05489 (17123017)
647041.01	4200080.37	22.55719	(17011307)	647141.01	4200080.37	20.53336 (17011307)
647241.01	4200080.37	18.20626	(17121518)	647341.01	4200080.37	15.46081 (17121518)
644341.01	4200180.37	19.03904	(17012821)	644441.01	4200180.37	20.65479 (17022504)
644541.01	4200180.37	21.93982	(17011803)	644641.01	4200180.37	23.98655 (17011803)
644741.01	4200180.37	26.42544	(17122406)	644841.01	4200180.37	28.21875 (15022519)
644941.01	4200180.37	30.82249	(14021403)	645041.01	4200180.37	34.42494 (15020520)
645141.01	4200180.37	37.33265	(17020104)	645241.01	4200180.37	41.61893 (16122908)
645341.01	4200180.37	46.61229	(16121304)	645441.01	4200180.37	51.50028 (16021001)
645541.01	4200180.37	56.49860	(14120120)	645641.01	4200180.37	61.23215 (14010617)
645741.01	4200180.37	64.01614	(17122706)	645841.01	4200180.37	69.07123 (17123009)
645941.01	4200180.37	69.90173	(17020504)	646041.01	4200180.37	66.75972 (17011120)
646141.01	4200180.37	57.42565	(17122518)	646241.01	4200180.37	54.54618 (17012606)
646341.01	4200180.37	47.70129	(17122517)	646441.01	4200180.37	43.42273 (17021407)
646541.01	4200180.37	39.50864	(17013019)	646641.01	4200180.37	34.85439 (17122708)
646741.01	4200180.37	31.92752	(17123017)	646841.01	4200180.37	28.12221 (17011307)

646941.01	4200180.37	25.89640	(17011307)	647041.01	4200180.37	22.64828	(17121518)
647141.01	4200180.37	18.95990	(17121518)	647241.01	4200180.37	16.57422	(17022807)
647341.01	4200180.37	15.22979	(17022807)	644341.01	4200280.37	19.44832	(17022402)
644441.01	4200280.37	21.15927	(17121220)	644541.01	4200280.37	23.30493	(17121220)
644641.01	4200280.37	25.59888	(17022504)	644741.01	4200280.37	27.54304	(17011803)
644841.01	4200280.37	30.52441	(17011803)	644941.01	4200280.37	34.21733	(17122406)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	37.34970	(15022519)	645141.01	4200280.37	41.84317	(15020520)
645241.01	4200280.37	46.37173	(15012407)	645341.01	4200280.37	52.82016	(16012623)
645441.01	4200280.37	60.91927	(14120118)	645541.01	4200280.37	67.24860	(16021001)
645641.01	4200280.37	72.99473	(17121502)	645741.01	4200280.37	80.91200	(17012817)
645841.01	4200280.37	86.69142	(17123009)	645941.01	4200280.37	86.37881	(17020504)
646041.01	4200280.37	80.73843	(17122319)	646141.01	4200280.37	72.31869	(17012606)
646241.01	4200280.37	61.34622	(17011301)	646341.01	4200280.37	54.75179	(17021407)
646441.01	4200280.37	48.94963	(17013019)	646541.01	4200280.37	42.68560	(17123017)
646641.01	4200280.37	37.45353	(17123017)	646741.01	4200280.37	33.87051	(17011307)
646841.01	4200280.37	29.24444	(17121518)	646941.01	4200280.37	23.99081	(17121518)
647041.01	4200280.37	20.59879	(17022807)	647141.01	4200280.37	18.61714	(17122508)
647241.01	4200280.37	17.29406	(17122508)	647341.01	4200280.37	15.86570	(17020824)

644341.01 4200380.37 20.39151 (17021006) 644441.01 4200380.37 22.35430 (17021006)
644541.01 4200380.37 24.34061 (17122522) 644641.01 4200380.37 26.32631 (17022402)
644741.01 4200380.37 29.44052 (17121220) 644841.01 4200380.37 32.88115 (17022504)
644941.01 4200380.37 36.24836 (17022504) 645041.01 4200380.37 40.84116 (17011803)
645141.01 4200380.37 46.46038 (17122406) 645241.01 4200380.37 52.55528 (14021403)
645341.01 4200380.37 60.07437 (15012407) 645441.01 4200380.37 70.67997 (16012623)
645541.01 4200380.37 82.73801 (14120118) 645641.01 4200380.37 92.57506 (14120120)
645741.01 4200380.37 104.07190 (17012817) 645841.01 4200380.37 113.17814 (17123009)
645941.01 4200380.37 107.10857 (17122221) 646041.01 4200380.37 97.11824 (17122518)
646141.01 4200380.37 82.20216 (17011301) 646241.01 4200380.37 71.86586 (17120121)
646341.01 4200380.37 62.84408 (17013019) 646441.01 4200380.37 54.82977 (17123017)
646541.01 4200380.37 46.54963 (17011307) 646641.01 4200380.37 39.71778 (17121518)
646741.01 4200380.37 31.74571 (17121518) 646841.01 4200380.37 26.58876 (17022807)
646941.01 4200380.37 23.88785 (17122508) 647041.01 4200380.37 21.56080 (17020824)
647141.01 4200380.37 19.29227 (17020824) 647241.01 4200380.37 17.50790 (17021401)
647341.01 4200380.37 15.99959 (17021401) 644341.01 4200480.37 20.30499 (17020501)
644441.01 4200480.37 22.53778 (17020501) 644541.01 4200480.37 24.85549 (17020501)
644641.01 4200480.37 27.58992 (17021006) 644741.01 4200480.37 31.24515 (17021006)
644841.01 4200480.37 34.85402 (17122522) 644941.01 4200480.37 38.76217 (17022402)
645041.01 4200480.37 44.87720 (17012821) 645141.01 4200480.37 51.47274 (17022504)
645241.01 4200480.37 60.38019 (17122406) 645341.01 4200480.37 70.29544 (15022519)
645441.01 4200480.37 82.13702 (15020520) 645541.01 4200480.37 100.75503 (16012623)

645641.01	4200480.37	122.58488	(16021001)	645741.01	4200480.37	141.78257	(14010617)
645841.01	4200480.37	159.57242	(17123009)	645941.01	4200480.37	152.51553	(17012920)
646041.01	4200480.37	130.10502	(17012606)	646141.01	4200480.37	102.24741	(17120121)
646241.01	4200480.37	85.80117	(17012607)	646341.01	4200480.37	71.34341	(17123017)
646441.01	4200480.37	59.10860	(17011307)	646541.01	4200480.37	44.96472	(17121518)
646641.01	4200480.37	36.16509	(17022807)	646741.01	4200480.37	31.86555	(17122508)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	27.78525	(17020824)	646941.01	4200480.37	24.48245	(17021401)
647041.01	4200480.37	21.71567	(17021401)	647141.01	4200480.37	19.34358	(17121319)
647241.01	4200480.37	17.79737	(17121319)	647341.01	4200480.37	16.27367	(17121319)
644341.01	4200580.37	20.90258	(17122603)	644441.01	4200580.37	22.63251	(17122603)
644541.01	4200580.37	25.21146	(17012803)	644641.01	4200580.37	28.12155	(17012803)
644741.01	4200580.37	31.22053	(17012803)	644841.01	4200580.37	35.62510	(17020501)
644941.01	4200580.37	40.75852	(17020501)	645041.01	4200580.37	48.07727	(17021006)
645141.01	4200580.37	56.20671	(17122522)	645241.01	4200580.37	66.20015	(17121220)
645341.01	4200580.37	80.80352	(17022504)	645441.01	4200580.37	100.20120	(17122406)
645541.01	4200580.37	126.03676	(15020520)	645641.01	4200580.37	163.04515	(14121206)
645741.01	4200580.37	204.14290	(17121307)	645841.01	4200580.37	247.15095	(17123009)
645941.01	4200580.37	222.75465	(17122518)	646041.01	4200580.37	168.46954	(17122517)

646141.01 4200580.37 129.65987 (17122708) 646241.01 4200580.37 100.59234 (17011307)
646341.01 4200580.37 70.83740 (17121518) 646441.01 4200580.37 54.76469 (17122508)
646541.01 4200580.37 45.42751 (17020824) 646641.01 4200580.37 37.98165 (17021401)
646741.01 4200580.37 32.05087 (17121319) 646841.01 4200580.37 28.39882 (17121319)
646941.01 4200580.37 25.02901 (17010504) 647041.01 4200580.37 22.47679 (17010504)
647141.01 4200580.37 20.14892 (17010504) 647241.01 4200580.37 18.06143 (17010504)
647341.01 4200580.37 16.51282 (17121522) 644341.01 4200680.37 21.17395 (17123103)
644441.01 4200680.37 23.18347 (17123103) 644541.01 4200680.37 25.48965 (17123103)
644641.01 4200680.37 28.52929 (17121302) 644741.01 4200680.37 32.14508 (17121302)
644841.01 4200680.37 36.69892 (17122603) 644941.01 4200680.37 42.10405 (17122603)
645041.01 4200680.37 48.42943 (17122603) 645141.01 4200680.37 57.99532 (17012803)
645241.01 4200680.37 70.08864 (17020501) 645341.01 4200680.37 87.66985 (17021006)
645441.01 4200680.37 116.22223 (17122522) 645541.01 4200680.37 157.54330 (17022504)
645641.01 4200680.37 222.04888 (15022519) 645741.01 4200680.37 329.39512 (14120118)
645841.01 4200680.37 452.81549 (17123009) 645941.01 4200680.37 340.08808 (17120120)
646041.01 4200680.37 235.03304 (17123017) 646141.01 4200680.37 136.93732 (17121518)
646241.01 4200680.37 96.70302 (17020824) 646341.01 4200680.37 71.43973 (17021401)
646441.01 4200680.37 57.22260 (17121319) 646541.01 4200680.37 47.07617 (17010504)
646641.01 4200680.37 39.21183 (17010504) 646741.01 4200680.37 33.83983 (17121522)
646841.01 4200680.37 29.67499 (17121522) 646941.01 4200680.37 26.17479 (17121522)
647041.01 4200680.37 23.22597 (17121522) 647141.01 4200680.37 20.77394 (17021219)
647241.01 4200680.37 18.85614 (17021219) 647341.01 4200680.37 17.19168 (17021219)

644341.01 4200780.37 21.54796 (17123022) 644441.01 4200780.37 23.66419 (17123022)
644541.01 4200780.37 26.15872 (17123022) 644641.01 4200780.37 29.12236 (17123022)
644741.01 4200780.37 32.70412 (17123022) 644841.01 4200780.37 37.10189 (17123022)
644941.01 4200780.37 42.61015 (17123022) 645041.01 4200780.37 49.71073 (17123022)
645141.01 4200780.37 59.28861 (17122404) 645241.01 4200780.37 72.87997 (17122404)
645341.01 4200780.37 91.24328 (17011804) 645441.01 4200780.37 120.06691 (17022505)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	169.67690	(17122603)	645641.01	4200780.37	273.66997	(17121301)
645741.01	4200780.37	508.34868	(17123106)	646041.01	4200780.37	243.22688	(17010504)
646141.01	4200780.37	149.41854	(17121522)	646241.01	4200780.37	102.86834	(17021219)
646341.01	4200780.37	76.53564	(17021219)	646441.01	4200780.37	59.64627	(17021219)
646541.01	4200780.37	48.07025	(17021219)	646641.01	4200780.37	39.75432	(17021219)
646741.01	4200780.37	33.91611	(17011720)	646841.01	4200780.37	29.38354	(17011720)
646941.01	4200780.37	25.78729	(17011720)	647041.01	4200780.37	22.87673	(17011720)
647141.01	4200780.37	20.48125	(17011720)	647241.01	4200780.37	18.48121	(17011720)
647341.01	4200780.37	16.82277	(17013023)	644341.01	4200880.37	21.80177	(17122119)
644441.01	4200880.37	23.91707	(17122119)	644541.01	4200880.37	26.38194	(17122119)
644641.01	4200880.37	29.32959	(17122119)	644741.01	4200880.37	32.82764	(17122119)
644841.01	4200880.37	37.30096	(17021301)	644941.01	4200880.37	43.24362	(17021301)

645041.01	4200880.37	50.81914	(17021301)	645141.01	4200880.37	60.75951	(17021301)
645241.01	4200880.37	73.88407	(17021301)	645341.01	4200880.37	92.91504	(17013005)
645441.01	4200880.37	123.94000	(17012722)	645541.01	4200880.37	171.55955	(17021224)
645641.01	4200880.37	259.48983	(17010620)	645741.01	4200880.37	444.80302	(17043004)
645841.01	4200880.37	672.82712	(17010609)	645941.01	4200880.37	455.41304	(17123020)
646041.01	4200880.37	237.68669	(14010318)	646141.01	4200880.37	147.42634	(13121417)
646241.01	4200880.37	103.59934	(14122318)	646341.01	4200880.37	77.77037	(14122318)
646441.01	4200880.37	60.33646	(13121718)	646541.01	4200880.37	49.01423	(17021220)
646641.01	4200880.37	40.87599	(17021220)	646741.01	4200880.37	34.82146	(15121617)
646841.01	4200880.37	30.30002	(15121617)	646941.01	4200880.37	26.64487	(15121617)
647041.01	4200880.37	23.66361	(15121617)	647141.01	4200880.37	21.19567	(15121617)
647241.01	4200880.37	19.12604	(15121617)	647341.01	4200880.37	17.37062	(15121617)
644341.01	4200980.37	21.44945	(17121303)	644441.01	4200980.37	23.53350	(17013005)
644541.01	4200980.37	26.01168	(17013005)	644641.01	4200980.37	28.98974	(17021502)
644741.01	4200980.37	32.75620	(17012722)	644841.01	4200980.37	37.20819	(17012722)
644941.01	4200980.37	42.59983	(17010624)	645041.01	4200980.37	49.04095	(17121720)
645141.01	4200980.37	58.89827	(17121720)	645241.01	4200980.37	71.76721	(17122523)
645341.01	4200980.37	89.31506	(17120518)	645441.01	4200980.37	113.60302	(17122118)
645541.01	4200980.37	150.42907	(17120905)	645641.01	4200980.37	164.14278	(17120924)
645741.01	4200980.37	247.61671	(17121506)	645841.01	4200980.37	318.10714	(17122408)
645941.01	4200980.37	288.47318	(17011608)	646041.01	4200980.37	215.53431	(17120122)
646141.01	4200980.37	132.54424	(17122322)	646241.01	4200980.37	93.66003	(13020422)

646341.01 4200980.37 72.61916 (15021222) 646441.01 4200980.37 58.20341 (13121417)
646541.01 4200980.37 48.01894 (13121417) 646641.01 4200980.37 39.76853 (14120819)
646741.01 4200980.37 34.49276 (14120819) 646841.01 4200980.37 29.96176 (14120819)
646941.01 4200980.37 26.57025 (14122318) 647041.01 4200980.37 23.65897 (14122318)
647141.01 4200980.37 21.14852 (14122318) 647241.01 4200980.37 18.98198 (14122318)
647341.01 4200980.37 17.20600 (13121718) 644341.01 4201080.37 21.36619 (17010624)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***

INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	23.32112	(17010624)	644541.01	4201080.37	25.36101	(17010624)
644641.01	4201080.37	28.60426	(17121720)	644741.01	4201080.37	32.07527	(17121720)
644841.01	4201080.37	36.41194	(17122523)	644941.01	4201080.37	41.43836	(17121721)
645041.01	4201080.37	48.06796	(17120518)	645141.01	4201080.37	54.96672	(17121121)
645241.01	4201080.37	66.62953	(17122118)	645341.01	4201080.37	80.03248	(17122524)
645441.01	4201080.37	84.86643	(17011108)	645541.01	4201080.37	95.08227	(17020405)
645641.01	4201080.37	126.42715	(17121419)	645741.01	4201080.37	160.59497	(17020407)
645841.01	4201080.37	188.26409	(17122408)	645941.01	4201080.37	180.37543	(17120204)
646041.01	4201080.37	164.89932	(17022604)	646141.01	4201080.37	111.25408	(17120122)
646241.01	4201080.37	89.63648	(17122322)	646341.01	4201080.37	65.84657	(14021304)
646441.01	4201080.37	53.72036	(14010718)	646541.01	4201080.37	44.93158	(14010219)
646641.01	4201080.37	38.35150	(15021222)	646741.01	4201080.37	33.25037	(16121423)

646841.01 4201080.37 29.23368 (13121417) 646941.01 4201080.37 25.91653 (13121417)
647041.01 4201080.37 22.89452 (14011919) 647141.01 4201080.37 20.47258 (14120819)
647241.01 4201080.37 18.76315 (14120819) 647341.01 4201080.37 17.16685 (14120819)
644341.01 4201180.37 20.96295 (17121720) 644441.01 4201180.37 23.04465 (17122523)
644541.01 4201180.37 25.31320 (17122523) 644641.01 4201180.37 27.87642 (17121721)
644741.01 4201180.37 31.29648 (17120518) 644841.01 4201180.37 34.28724 (17010620)
644941.01 4201180.37 39.28331 (17121121) 645041.01 4201180.37 44.66410 (17122118)
645141.01 4201180.37 51.74188 (17122524) 645241.01 4201180.37 54.78412 (17011108)
645341.01 4201180.37 54.59978 (17022405) 645441.01 4201180.37 64.93482 (17020405)
645541.01 4201180.37 80.01299 (17121419) 645641.01 4201180.37 99.88147 (17021423)
645741.01 4201180.37 110.81495 (17020403) 645841.01 4201180.37 118.18572 (17122408)
645941.01 4201180.37 119.95495 (17122822) 646041.01 4201180.37 106.04975 (17121904)
646141.01 4201180.37 86.43066 (17022604) 646241.01 4201180.37 74.65003 (17120205)
646341.01 4201180.37 61.87526 (17122308) 646441.01 4201180.37 53.35955 (17122322)
646541.01 4201180.37 42.05678 (14010718) 646641.01 4201180.37 36.36964 (14010718)
646741.01 4201180.37 31.43859 (13011820) 646841.01 4201180.37 27.86949 (14010219)
646941.01 4201180.37 24.81553 (15021222) 647041.01 4201180.37 22.33387 (15120623)
647141.01 4201180.37 20.30324 (16121423) 647241.01 4201180.37 18.56495 (13121417)
647341.01 4201180.37 16.90297 (13121417) 644341.01 4201280.37 20.54452 (17120518)
644441.01 4201280.37 22.51533 (17120518) 644541.01 4201280.37 24.15197 (17120518)
644641.01 4201280.37 26.67371 (17121121) 644741.01 4201280.37 29.93862 (17122118)
644841.01 4201280.37 32.98510 (17122524) 644941.01 4201280.37 37.05443 (17122524)

645041.01	4201280.37	39.04940	(17120905)	645141.01	4201280.37	39.09188	(17011108)
645241.01	4201280.37	41.61932	(17120924)	645341.01	4201280.37	47.97226	(17020405)
645441.01	4201280.37	55.72274	(17121419)	645541.01	4201280.37	65.46923	(17121506)
645641.01	4201280.37	76.37555	(17122723)	645741.01	4201280.37	82.55980	(17122622)
645841.01	4201280.37	88.71533	(17122408)	645941.01	4201280.37	89.84033	(17122703)
646041.01	4201280.37	79.78092	(17120204)	646141.01	4201280.37	72.64596	(17011608)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	62.22042	(17120124)	646341.01	4201280.37	54.90405	(17120205)
646441.01	4201280.37	47.68624	(17122308)	646541.01	4201280.37	42.31711	(17122322)
646641.01	4201280.37	35.86621	(17122322)	646741.01	4201280.37	30.40685	(14010718)
646841.01	4201280.37	27.20267	(14010718)	646941.01	4201280.37	24.08907	(13020422)
647041.01	4201280.37	22.10830	(13011820)	647141.01	4201280.37	20.53591	(15021222)
647241.01	4201280.37	18.90852	(15021222)	647341.01	4201280.37	17.37186	(15120623)
644341.01	4201380.37	19.50776	(17121121)	644441.01	4201380.37	21.60100	(17121121)
644541.01	4201380.37	23.69158	(17122118)	644641.01	4201380.37	25.79728	(17122524)
644741.01	4201380.37	28.32459	(17122524)	644841.01	4201380.37	29.70258	(17120905)
644941.01	4201380.37	30.28915	(17011108)	645041.01	4201380.37	29.17815	(17022405)
645141.01	4201380.37	32.62796	(17120924)	645241.01	4201380.37	37.32105	(17020405)
645341.01	4201380.37	42.40603	(17120222)	645441.01	4201380.37	46.99902	(17122908)

645541.01 4201380.37 57.22882 (17021423) 645641.01 4201380.37 63.35931 (17020407)
645741.01 4201380.37 64.89468 (17122622) 645841.01 4201380.37 67.41920 (17122408)
645941.01 4201380.37 70.06043 (17011706) 646041.01 4201380.37 65.25358 (17120204)
646141.01 4201380.37 58.60261 (17121904) 646241.01 4201380.37 54.11993 (17120123)
646341.01 4201380.37 48.72910 (17120124) 646441.01 4201380.37 45.09074 (17120205)
646541.01 4201380.37 39.94636 (17120122) 646641.01 4201380.37 35.13068 (17123020)
646741.01 4201380.37 32.29634 (17122322) 646841.01 4201380.37 26.81814 (17122322)
646941.01 4201380.37 24.21083 (14010718) 647041.01 4201380.37 22.11904 (14010718)
647141.01 4201380.37 19.82125 (13020422) 647241.01 4201380.37 18.21318 (13011820)
647341.01 4201380.37 16.75209 (14010219) 644341.01 4201480.37 19.30109 (17122118)
644441.01 4201480.37 20.90498 (17122524) 644541.01 4201480.37 22.58927 (17122524)
644641.01 4201480.37 23.57410 (17120905) 644741.01 4201480.37 24.14846 (17011108)
644841.01 4201480.37 23.40324 (17011108) 644941.01 4201480.37 24.50023 (17120924)
645041.01 4201480.37 26.23830 (17120924) 645141.01 4201480.37 30.16279 (17020405)
645241.01 4201480.37 33.74537 (17120222) 645341.01 4201480.37 37.33153 (17120224)
645441.01 4201480.37 43.07756 (17121506) 645541.01 4201480.37 47.42436 (17122723)
645641.01 4201480.37 50.09555 (17020407) 645741.01 4201480.37 52.03011 (17020802)
645841.01 4201480.37 54.09535 (17122408) 645941.01 4201480.37 56.52529 (17120719)
646041.01 4201480.37 54.83528 (17021304) 646141.01 4201480.37 48.27590 (17120204)
646241.01 4201480.37 45.90708 (17121820) 646341.01 4201480.37 43.23183 (17022604)
646441.01 4201480.37 40.20390 (17120124) 646541.01 4201480.37 36.82995 (17120205)
646641.01 4201480.37 32.93502 (17120122) 646741.01 4201480.37 28.61316 (17122308)

646841.01	4201480.37	26.85773	(17122322)	646941.01	4201480.37	24.01621	(17122322)
647041.01	4201480.37	20.30656	(14021323)	647141.01	4201480.37	18.82843	(14010718)
647241.01	4201480.37	17.45597	(14010718)	647341.01	4201480.37	15.76580	(13020422)
644341.01	4201580.37	18.59101	(17122524)	644441.01	4201580.37	19.32154	(17120905)
644541.01	4201580.37	19.73903	(17011108)	644641.01	4201580.37	19.67763	(17011108)
644741.01	4201580.37	19.03535	(17121418)	644841.01	4201580.37	20.90778	(17120924)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	21.89247	(14120808)	645041.01	4201580.37	25.07315	(17020405)
645141.01	4201580.37	27.69368	(17120222)	645241.01	4201580.37	30.32566	(17121419)
645341.01	4201580.37	32.71727	(17121506)	645441.01	4201580.37	38.40431	(17021423)
645541.01	4201580.37	40.88279	(17020407)	645641.01	4201580.37	41.93013	(17121417)
645741.01	4201580.37	43.71925	(17020802)	645841.01	4201580.37	44.68168	(17122408)
645941.01	4201580.37	46.93308	(17021222)	646041.01	4201580.37	48.02442	(17122822)
646141.01	4201580.37	41.77266	(17120204)	646241.01	4201580.37	39.07916	(17121904)
646341.01	4201580.37	37.91850	(17011608)	646441.01	4201580.37	34.28707	(17022604)
646541.01	4201580.37	33.07614	(17120124)	646641.01	4201580.37	29.61300	(17120205)
646741.01	4201580.37	26.94575	(17120122)	646841.01	4201580.37	24.64816	(17122308)
646941.01	4201580.37	22.48153	(17122322)	647041.01	4201580.37	20.62093	(17122322)
647141.01	4201580.37	18.16276	(17122322)	647241.01	4201580.37	16.09954	(14021304)

647341.01 4201580.37 15.40757 (14010718) 644341.01 4201680.37 16.49314 (17011108)
644441.01 4201680.37 16.72764 (17011108) 644541.01 4201680.37 15.89196 (17011108)
644641.01 4201680.37 16.64847 (17022405) 644741.01 4201680.37 17.97459 (17120924)
644841.01 4201680.37 18.87599 (17120221) 644941.01 4201680.37 21.30998 (17122117)
645041.01 4201680.37 23.26990 (17120222) 645141.01 4201680.37 25.26102 (17121419)
645241.01 4201680.37 26.23723 (17122908) 645341.01 4201680.37 30.87426 (17121506)
645441.01 4201680.37 33.22280 (17122723) 645541.01 4201680.37 36.99498 (17020407)
645641.01 4201680.37 35.96909 (17121417) 645741.01 4201680.37 37.18041 (17020802)
645841.01 4201680.37 37.79661 (17122408) 645941.01 4201680.37 41.83185 (17021222)
646041.01 4201680.37 38.67354 (17122822) 646141.01 4201680.37 34.59132 (17021304)
646241.01 4201680.37 33.00545 (17120204) 646341.01 4201680.37 32.46620 (17121820)
646441.01 4201680.37 31.53227 (17120123) 646541.01 4201680.37 28.12377 (17012707)
646641.01 4201680.37 27.25500 (17120124) 646741.01 4201680.37 24.44444 (17120205)
646841.01 4201680.37 22.43528 (17120122) 646941.01 4201680.37 20.70878 (17122308)
647041.01 4201680.37 18.53790 (17123020) 647141.01 4201680.37 18.08688 (17122322)
647241.01 4201680.37 16.67545 (17122322) 647341.01 4201680.37 14.60712 (17122322)
644341.01 4201780.37 14.00444 (17011108) 644441.01 4201780.37 13.73962 (17121418)
644541.01 4201780.37 14.77825 (17120924) 644641.01 4201780.37 15.57296 (17120924)
644741.01 4201780.37 16.51934 (17120221) 644841.01 4201780.37 18.41166 (17122117)
644941.01 4201780.37 19.92290 (17120222) 645041.01 4201780.37 21.37801 (17121419)
645141.01 4201780.37 22.52609 (17122908) 645241.01 4201780.37 25.38987 (17121506)
645341.01 4201780.37 29.06742 (17021423) 645441.01 4201780.37 29.57206 (17020407)

645541.01	4201780.37	31.81104	(17020407)	645641.01	4201780.37	33.07928	(17122622)
645741.01	4201780.37	34.23049	(17020802)	645841.01	4201780.37	32.42226	(17122408)
645941.01	4201780.37	34.49527	(17021222)	646041.01	4201780.37	33.13660	(17122703)
646141.01	4201780.37	31.52763	(17021304)	646241.01	4201780.37	30.25587	(17120204)
646341.01	4201780.37	28.51470	(17121904)	646441.01	4201780.37	27.22700	(17011608)
646541.01	4201780.37	25.59059	(17120123)	646641.01	4201780.37	22.46821	(17012707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	22.49154	(17120124)	646841.01	4201780.37	20.81244	(17120205)
646941.01	4201780.37	19.10398	(17120122)	647041.01	4201780.37	17.98737	(17122308)
647141.01	4201780.37	16.65660	(17122308)	647241.01	4201780.37	15.75132	(17122322)
647341.01	4201780.37	15.10467	(17122322)	644341.01	4201880.37	12.27602	(17022405)
644441.01	4201880.37	13.20738	(17120924)	644541.01	4201880.37	13.59503	(17120924)
644641.01	4201880.37	14.59999	(17120221)	644741.01	4201880.37	16.13425	(17122117)
644841.01	4201880.37	17.32008	(17120222)	644941.01	4201880.37	18.32142	(17121419)
645041.01	4201880.37	20.17044	(17120224)	645141.01	4201880.37	21.16857	(17121506)
645241.01	4201880.37	24.45005	(17121506)	645341.01	4201880.37	26.25818	(17122723)
645441.01	4201880.37	26.54893	(17020407)	645541.01	4201880.37	26.15321	(17020403)
645641.01	4201880.37	27.27766	(17122622)	645741.01	4201880.37	27.65326	(17020802)
645841.01	4201880.37	28.29978	(17122408)	645941.01	4201880.37	30.29683	(17021222)

646041.01 4201880.37 28.78386 (17122703) 646141.01 4201880.37 29.99530 (17122822)
646241.01 4201880.37 28.19920 (17120204) 646341.01 4201880.37 24.48531 (17121905)
646441.01 4201880.37 25.95308 (17121820) 646541.01 4201880.37 23.14453 (17011608)
646641.01 4201880.37 21.84746 (17022604) 646741.01 4201880.37 19.63630 (17120124)
646841.01 4201880.37 19.56212 (17120124) 646941.01 4201880.37 18.19703 (17120205)
647041.01 4201880.37 16.68667 (17120122) 647141.01 4201880.37 15.94555 (17120122)
647241.01 4201880.37 15.00699 (17122308) 647341.01 4201880.37 13.76048 (17123020)
644341.01 4201980.37 11.83571 (17120924) 644441.01 4201980.37 11.96693 (15021822)
644541.01 4201980.37 13.06213 (17021223) 644641.01 4201980.37 14.29252 (17122117)
644741.01 4201980.37 15.59429 (17120222) 644841.01 4201980.37 16.70888 (17121419)
644941.01 4201980.37 18.25585 (17120224) 645041.01 4201980.37 18.03625 (17122908)
645141.01 4201980.37 20.07237 (17121506) 645241.01 4201980.37 21.68923 (17021423)
645341.01 4201980.37 21.55597 (17122723) 645441.01 4201980.37 23.68795 (17020407)
645541.01 4201980.37 23.62186 (17121417) 645641.01 4201980.37 24.11824 (17122622)
645741.01 4201980.37 26.31532 (17020802) 645841.01 4201980.37 26.87798 (17122408)
645941.01 4201980.37 26.94049 (17021222) 646041.01 4201980.37 26.42706 (17011706)
646141.01 4201980.37 26.83974 (17122822) 646241.01 4201980.37 24.22247 (17021304)
646341.01 4201980.37 24.28863 (17120204) 646441.01 4201980.37 22.93223 (17121904)
646541.01 4201980.37 21.53919 (17121820) 646641.01 4201980.37 20.40735 (17120123)
646741.01 4201980.37 18.86495 (17012707) 646841.01 4201980.37 17.50509 (17120124)
646941.01 4201980.37 17.27368 (17120124) 647041.01 4201980.37 16.15154 (17011918)
647141.01 4201980.37 14.75159 (17120122) 647241.01 4201980.37 14.32385 (17120122)

647341.01	4201980.37	13.57307	(17122308)	644341.01	4202080.37	10.83336	(14120808)
644441.01	4202080.37	11.77520	(17021223)	644541.01	4202080.37	13.25469	(17122117)
644641.01	4202080.37	14.04607	(17020406)	644741.01	4202080.37	14.65431	(17120222)
644841.01	4202080.37	15.76261	(17121419)	644941.01	4202080.37	15.51711	(17122908)
645041.01	4202080.37	16.93815	(17121506)	645141.01	4202080.37	18.45833	(17121506)
645241.01	4202080.37	19.62034	(17122723)	645341.01	4202080.37	20.34239	(17020407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	20.83918	(17020407)	645541.01	4202080.37	23.12070	(17121417)
645641.01	4202080.37	23.67026	(17020802)	645741.01	4202080.37	23.49193	(17121308)
645841.01	4202080.37	24.00085	(17122408)	645941.01	4202080.37	24.02854	(17021222)
646041.01	4202080.37	23.77648	(17120719)	646141.01	4202080.37	24.32047	(17122822)
646241.01	4202080.37	22.79268	(17021304)	646341.01	4202080.37	22.39458	(17120204)
646441.01	4202080.37	20.33037	(17121905)	646541.01	4202080.37	20.48494	(17121904)
646641.01	4202080.37	19.38269	(17011608)	646741.01	4202080.37	18.06362	(17120123)
646841.01	4202080.37	16.49751	(17012707)	646941.01	4202080.37	15.68902	(17120124)
647041.01	4202080.37	15.35667	(17120124)	647141.01	4202080.37	14.43460	(17011918)
647241.01	4202080.37	13.30067	(17011918)	647341.01	4202080.37	12.92959	(17120122)
644341.01	4202180.37	11.15350	(17021223)	644441.01	4202180.37	12.32778	(17122117)
644541.01	4202180.37	12.63816	(17020406)	644641.01	4202180.37	12.59783	(17120222)

644741.01 4202180.37 13.48319 (17121419) 644841.01 4202180.37 13.88341 (17122908)
644941.01 4202180.37 14.26102 (17121506) 645041.01 4202180.37 16.36739 (17121506)
645141.01 4202180.37 17.49935 (17021423) 645241.01 4202180.37 17.59698 (17122723)
645341.01 4202180.37 20.50238 (17020407) 645441.01 4202180.37 20.15744 (17020403)
645541.01 4202180.37 22.32671 (17122622) 645641.01 4202180.37 22.73435 (17020802)
645741.01 4202180.37 21.46509 (17121308) 645841.01 4202180.37 21.70155 (17122408)
645941.01 4202180.37 22.75564 (17021222) 646041.01 4202180.37 21.89431 (17120719)
646141.01 4202180.37 21.85628 (17013124) 646241.01 4202180.37 21.19211 (17021304)
646341.01 4202180.37 19.38051 (17120204) 646441.01 4202180.37 18.30552 (17120204)
646541.01 4202180.37 17.75906 (17121904) 646641.01 4202180.37 17.39050 (17121820)
646741.01 4202180.37 17.34027 (17011608) 646841.01 4202180.37 16.75657 (17022604)
646941.01 4202180.37 14.94932 (17012707) 647041.01 4202180.37 14.14588 (17120124)
647141.01 4202180.37 13.77239 (17120124) 647241.01 4202180.37 13.00686 (17011918)
647341.01 4202180.37 12.09256 (17011918) 644341.01 4202280.37 10.46251 (17122117)
644441.01 4202280.37 10.94924 (17120222) 644541.01 4202280.37 11.38643 (17120222)
644641.01 4202280.37 12.10016 (17121419) 644741.01 4202280.37 12.57328 (17120224)
644841.01 4202280.37 12.46095 (17122908) 644941.01 4202280.37 14.31471 (17121506)
645041.01 4202280.37 15.20216 (17021423) 645141.01 4202280.37 16.02818 (17122723)
645241.01 4202280.37 18.69181 (17020407) 645341.01 4202280.37 20.55547 (17020407)
645441.01 4202280.37 20.94640 (17020403) 645541.01 4202280.37 21.94547 (17122622)
645641.01 4202280.37 21.81755 (17020802) 645741.01 4202280.37 21.09681 (17121308)
645841.01 4202280.37 21.54667 (17122408) 645941.01 4202280.37 21.84175 (17021222)

646041.01	4202280.37	20.40472	(17120719)	646141.01	4202280.37	19.49683	(17122703)
646241.01	4202280.37	18.55182	(17122822)	646341.01	4202280.37	16.83931	(17021304)
646441.01	4202280.37	17.16190	(17120204)	646541.01	4202280.37	15.88994	(17121905)
646641.01	4202280.37	15.90425	(17121820)	646741.01	4202280.37	15.84946	(17011608)
646841.01	4202280.37	15.19724	(17120123)	646941.01	4202280.37	14.10233	(17022604)
647041.01	4202280.37	12.80622	(17012707)	647141.01	4202280.37	12.83971	(17120124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK01 ***
INCLUDING SOURCE(S): STACK01 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	12.44462	(17120124)	647341.01	4202280.37	11.80389	(17011918)
645946.01	4200731.54	428.16957	(17122320)	645933.67	4200896.54	438.51261	(17022408)
645889.89	4200889.80	551.65281	(17021405)	645847.24	4200866.23	771.49900	(17010609)
645697.97	4200718.07	322.54784	(17120517)	645704.70	4200712.46	317.50059	(16121303)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	9.51428	(13121718)	646506.52	4202111.83	20.06006	(17121904)
645939.20	4200707.16	386.37406	(17120120)	644341.01	4199280.37	12.26869	(15120519)
644441.01	4199280.37	12.91492	(16012623)	644541.01	4199280.37	13.46924	(14121206)
644641.01	4199280.37	14.08824	(16121304)	644741.01	4199280.37	14.89728	(14120118)
644841.01	4199280.37	15.20515	(16011024)	644941.01	4199280.37	16.05294	(16021001)
645041.01	4199280.37	16.57393	(14022424)	645141.01	4199280.37	16.98082	(14120120)
645241.01	4199280.37	17.48410	(17121307)	645341.01	4199280.37	18.32657	(14010617)
645441.01	4199280.37	19.12074	(17010208)	645541.01	4199280.37	19.35279	(17011604)
645641.01	4199280.37	19.71574	(17011207)	645741.01	4199280.37	19.64483	(17122707)
645841.01	4199280.37	20.54945	(17123009)	645941.01	4199280.37	21.29219	(17012524)
646041.01	4199280.37	20.78925	(17121920)	646141.01	4199280.37	20.40692	(17020504)
646241.01	4199280.37	20.13681	(17021418)	646341.01	4199280.37	19.98988	(17011120)

646441.01 4199280.37 19.28067 (17020820) 646541.01 4199280.37 17.39299 (17122518)
646641.01 4199280.37 17.28365 (17011220) 646741.01 4199280.37 17.28857 (17012606)
646841.01 4199280.37 15.64455 (17011805) 646941.01 4199280.37 14.84976 (17011301)
647041.01 4199280.37 15.02757 (17011508) 647141.01 4199280.37 14.84213 (17122517)
647241.01 4199280.37 13.37124 (17021407) 647341.01 4199280.37 13.26683 (17021407)
644341.01 4199380.37 12.83839 (13020305) 644441.01 4199380.37 13.45816 (15120519)
644541.01 4199380.37 14.23347 (16012623) 644641.01 4199380.37 14.78674 (14121206)
644741.01 4199380.37 15.56540 (16121304) 644841.01 4199380.37 16.41555 (17122817)
644941.01 4199380.37 16.98169 (16021001) 645041.01 4199380.37 17.75250 (14010818)
645141.01 4199380.37 18.57481 (14120120) 645241.01 4199380.37 19.26490 (17121307)
645341.01 4199380.37 19.72334 (17121502) 645441.01 4199380.37 20.68847 (17010208)
645541.01 4199380.37 21.01339 (17012817) 645641.01 4199380.37 21.36946 (17011207)
645741.01 4199380.37 21.59321 (17122707) 645841.01 4199380.37 22.53091 (17123009)
645941.01 4199380.37 23.27718 (17012524) 646041.01 4199380.37 22.67467 (17020504)
646141.01 4199380.37 22.20701 (17120606) 646241.01 4199380.37 21.78452 (17011801)
646341.01 4199380.37 21.65857 (17011120) 646441.01 4199380.37 20.61964 (17020820)
646541.01 4199380.37 18.86419 (17011220) 646641.01 4199380.37 18.91257 (17012606)
646741.01 4199380.37 18.04397 (17012606) 646841.01 4199380.37 16.20610 (17011301)
646941.01 4199380.37 15.73472 (17011301) 647041.01 4199380.37 15.88581 (17122517)
647141.01 4199380.37 14.61083 (17021407) 647241.01 4199380.37 14.71755 (17021407)
647341.01 4199380.37 13.93789 (17013019) 644341.01 4199480.37 13.30793 (17020104)
644441.01 4199480.37 14.12930 (13020305) 644541.01 4199480.37 14.85907 (15120519)

644641.01 4199480.37 15.78491 (16012623) 644741.01 4199480.37 16.33977 (16020605)
644841.01 4199480.37 17.53430 (14120118) 644941.01 4199480.37 18.23649 (16011024)
645041.01 4199480.37 19.30006 (16021001) 645141.01 4199480.37 20.01033 (14022424)
645241.01 4199480.37 20.57315 (17121307) 645341.01 4199480.37 21.44081 (17121502)
645441.01 4199480.37 22.20837 (14010617) 645541.01 4199480.37 22.89289 (17012817)
645641.01 4199480.37 23.45162 (17122706) 645741.01 4199480.37 23.85064 (17122707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	24.86170	(17123009)	645941.01	4199480.37	25.57587	(17012524)
646041.01	4199480.37	25.27992	(17020504)	646141.01	4199480.37	24.44289	(17122221)
646241.01	4199480.37	24.09981	(17012920)	646341.01	4199480.37	23.26880	(17020820)
646441.01	4199480.37	21.45756	(17122518)	646541.01	4199480.37	20.84660	(17011220)
646641.01	4199480.37	20.71385	(17012606)	646741.01	4199480.37	18.34492	(17011805)
646841.01	4199480.37	17.75516	(17011301)	646941.01	4199480.37	17.13543	(17122517)
647041.01	4199480.37	15.44349	(17122517)	647141.01	4199480.37	15.65238	(17120117)
647241.01	4199480.37	15.06063	(17013019)	647341.01	4199480.37	14.37263	(17013019)
644341.01	4199580.37	14.06969	(15120820)	644441.01	4199580.37	14.67111	(17020104)
644541.01	4199580.37	15.65668	(13020305)	644641.01	4199580.37	16.52889	(15120519)
644741.01	4199580.37	17.62956	(16012623)	644841.01	4199580.37	18.40987	(16121304)
644941.01	4199580.37	19.89031	(14120118)	645041.01	4199580.37	20.44724	(16011024)

645141.01 4199580.37 21.56272 (14010818) 645241.01 4199580.37 22.77770 (14120120)
645341.01 4199580.37 23.65026 (17121307) 645441.01 4199580.37 24.63967 (14010617)
645541.01 4199580.37 25.60298 (17010208) 645641.01 4199580.37 25.90413 (17122706)
645741.01 4199580.37 26.48349 (17122707) 645841.01 4199580.37 27.63596 (17123009)
645941.01 4199580.37 28.25854 (17012524) 646041.01 4199580.37 28.22547 (17020504)
646141.01 4199580.37 27.17722 (17122221) 646241.01 4199580.37 26.82749 (17011120)
646341.01 4199580.37 25.70159 (17020820) 646441.01 4199580.37 23.05857 (17011220)
646541.01 4199580.37 23.24832 (17012606) 646641.01 4199580.37 21.30152 (17012606)
646741.01 4199580.37 19.94690 (17011301) 646841.01 4199580.37 19.25624 (17122517)
646941.01 4199580.37 17.47236 (17122517) 647041.01 4199580.37 17.30288 (17120117)
647141.01 4199580.37 16.33450 (17013019) 647241.01 4199580.37 15.43302 (17013019)
647341.01 4199580.37 14.41579 (17012607) 644341.01 4199680.37 14.83287 (17020902)
644441.01 4199680.37 15.64353 (17020902) 644541.01 4199680.37 16.34232 (15012407)
644641.01 4199680.37 17.48659 (13020305) 644741.01 4199680.37 18.54706 (15120519)
644841.01 4199680.37 19.91551 (14121206) 644941.01 4199680.37 21.02361 (16121304)
645041.01 4199680.37 22.55509 (14120118) 645141.01 4199680.37 23.66191 (16021001)
645241.01 4199680.37 24.85499 (14022424) 645341.01 4199680.37 25.93531 (17121307)
645441.01 4199680.37 27.02844 (17121502) 645541.01 4199680.37 28.69023 (17010208)
645641.01 4199680.37 29.16238 (17011604) 645741.01 4199680.37 29.57463 (17122707)
645841.01 4199680.37 30.98342 (17123009) 645941.01 4199680.37 31.41511 (17012524)
646041.01 4199680.37 31.52567 (17020504) 646141.01 4199680.37 30.17889 (17021418)
646241.01 4199680.37 29.70352 (17011120) 646341.01 4199680.37 27.39659 (17020820)

646441.01 4199680.37 25.88022 (17011220) 646541.01 4199680.37 25.33865 (17012606)
646641.01 4199680.37 22.38903 (17011301) 646741.01 4199680.37 21.54970 (17122517)
646841.01 4199680.37 20.10041 (17122517) 646941.01 4199680.37 19.35238 (17120117)
647041.01 4199680.37 18.31538 (17013019) 647141.01 4199680.37 17.10311 (17013019)
647241.01 4199680.37 15.96561 (17122708) 647341.01 4199680.37 14.95357 (17123017)
644341.01 4199780.37 15.33715 (15120207) 644441.01 4199780.37 16.46231 (14021403)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	17.60611	(17020902)	644641.01	4199780.37	18.35512	(15012407)
644741.01	4199780.37	19.71087	(13020305)	644841.01	4199780.37	21.02614	(15120519)
644941.01	4199780.37	22.76150	(14121206)	645041.01	4199780.37	24.15008	(16121304)
645141.01	4199780.37	25.72685	(17122817)	645241.01	4199780.37	27.41406	(16021001)
645341.01	4199780.37	28.91469	(14120120)	645441.01	4199780.37	29.82710	(17121307)
645541.01	4199780.37	31.63265	(17010208)	645641.01	4199780.37	32.88831	(17011604)
645741.01	4199780.37	33.63877	(17011207)	645841.01	4199780.37	35.08748	(17123009)
645941.01	4199780.37	35.36396	(17121920)	646041.01	4199780.37	35.15988	(17020504)
646141.01	4199780.37	33.70733	(17012920)	646241.01	4199780.37	32.83864	(17020820)
646341.01	4199780.37	29.13925	(17011220)	646441.01	4199780.37	29.47446	(17012606)
646541.01	4199780.37	25.97023	(17011805)	646641.01	4199780.37	24.51904	(17011301)
646741.01	4199780.37	23.15994	(17122517)	646841.01	4199780.37	21.95856	(17120117)

646941.01 4199780.37 20.67904 (17013019) 647041.01 4199780.37 19.25840 (17012607)
647141.01 4199780.37 17.89792 (17122708) 647241.01 4199780.37 16.89813 (17123017)
647341.01 4199780.37 15.88881 (17123017) 644341.01 4199880.37 16.12618 (15022519)
644441.01 4199880.37 17.26004 (15022519) 644541.01 4199880.37 18.48809 (14021403)
644641.01 4199880.37 19.90444 (15020520) 644741.01 4199880.37 20.78044 (15012407)
644841.01 4199880.37 22.46069 (13020305) 644941.01 4199880.37 24.13057 (15120519)
645041.01 4199880.37 26.30328 (14121206) 645141.01 4199880.37 28.42222 (14120118)
645241.01 4199880.37 29.76713 (16011024) 645341.01 4199880.37 32.08328 (14022424)
645441.01 4199880.37 34.02592 (17121307) 645541.01 4199880.37 35.85499 (14010617)
645641.01 4199880.37 37.39920 (17012817) 645741.01 4199880.37 38.66030 (17011207)
645841.01 4199880.37 40.21509 (17123009) 645941.01 4199880.37 40.66778 (17121920)
646041.01 4199880.37 39.35331 (17120606) 646141.01 4199880.37 38.90266 (17011120)
646241.01 4199880.37 36.55517 (17020820) 646341.01 4199880.37 33.41846 (17011220)
646441.01 4199880.37 31.77063 (17012606) 646541.01 4199880.37 28.82301 (17011301)
646641.01 4199880.37 27.13945 (17122517) 646741.01 4199880.37 25.26432 (17120117)
646841.01 4199880.37 23.67248 (17013019) 646941.01 4199880.37 21.88745 (17012607)
647041.01 4199880.37 20.16211 (17122708) 647141.01 4199880.37 19.12092 (17123017)
647241.01 4199880.37 17.38069 (17123017) 647341.01 4199880.37 16.23055 (17011307)
644341.01 4199980.37 17.27731 (17122406) 644441.01 4199980.37 18.47944 (17122406)
644541.01 4199980.37 19.52048 (15022519) 644641.01 4199980.37 20.72661 (14021403)
644741.01 4199980.37 22.59102 (15020520) 644841.01 4199980.37 24.04880 (15120820)
644941.01 4199980.37 25.92904 (13020305) 645041.01 4199980.37 28.13826 (15122801)

645141.01 4199980.37 30.78502 (14121206) 645241.01 4199980.37 33.90593 (14120118)
645341.01 4199980.37 36.23554 (16021001) 645441.01 4199980.37 38.53910 (14120120)
645541.01 4199980.37 40.48152 (17121502) 645641.01 4199980.37 43.24123 (17010208)
645741.01 4199980.37 44.84354 (17011207) 645841.01 4199980.37 46.76874 (17123009)
645941.01 4199980.37 47.21613 (17121920) 646041.01 4199980.37 45.67903 (17122221)
646141.01 4199980.37 44.66140 (17011120) 646241.01 4199980.37 38.97809 (17122518)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	38.94527	(17012606)	646441.01	4199980.37	33.93107	(17011301)
646541.01	4199980.37	32.07280	(17122517)	646641.01	4199980.37	29.40006	(17120117)
646741.01	4199980.37	27.52354	(17013019)	646841.01	4199980.37	25.13773	(17012607)
646941.01	4199980.37	22.83185	(17122708)	647041.01	4199980.37	21.64015	(17123017)
647141.01	4199980.37	19.29907	(17013121)	647241.01	4199980.37	18.47571	(17011307)
647341.01	4199980.37	16.93384	(17121518)	644341.01	4200080.37	17.94347	(17011803)
644441.01	4200080.37	19.28831	(17011803)	644541.01	4200080.37	20.96943	(17122406)
644641.01	4200080.37	22.23812	(17122406)	644741.01	4200080.37	23.93861	(15022519)
644841.01	4200080.37	26.02711	(14021403)	644941.01	4200080.37	28.22476	(15020520)
645041.01	4200080.37	30.44804	(17020104)	645141.01	4200080.37	33.48722	(16122908)
645241.01	4200080.37	36.66603	(16121304)	645341.01	4200080.37	40.55654	(17122817)
645441.01	4200080.37	43.77711	(14010818)	645541.01	4200080.37	47.20315	(17121307)

645641.01 4200080.37 50.70734 (17010208) 645741.01 4200080.37 52.30233 (17011207)
645841.01 4200080.37 55.52581 (17123009) 645941.01 4200080.37 55.85430 (17121920)
646041.01 4200080.37 53.99570 (17021418) 646141.01 4200080.37 51.48572 (17020820)
646241.01 4200080.37 45.73756 (17011220) 646341.01 4200080.37 41.18107 (17011805)
646441.01 4200080.37 38.45407 (17122517) 646541.01 4200080.37 35.10580 (17120117)
646641.01 4200080.37 32.65055 (17013019) 646741.01 4200080.37 29.22016 (17012607)
646841.01 4200080.37 26.94031 (17123017) 646941.01 4200080.37 24.41352 (17123017)
647041.01 4200080.37 22.40786 (17011307) 647141.01 4200080.37 20.73115 (17011307)
647241.01 4200080.37 18.49756 (17121518) 647341.01 4200080.37 15.89594 (17121518)
644341.01 4200180.37 18.87791 (17012821) 644441.01 4200180.37 20.42800 (17022504)
644541.01 4200180.37 21.80709 (17011803) 644641.01 4200180.37 23.64440 (17011803)
644741.01 4200180.37 26.11977 (17122406) 644841.01 4200180.37 27.92121 (15022519)
644941.01 4200180.37 30.48173 (14021403) 645041.01 4200180.37 33.87497 (15020520)
645141.01 4200180.37 36.71408 (17020104) 645241.01 4200180.37 40.93832 (16012623)
645341.01 4200180.37 45.73157 (16121304) 645441.01 4200180.37 50.42020 (16021001)
645541.01 4200180.37 55.29472 (14120120) 645641.01 4200180.37 59.86519 (14010617)
645741.01 4200180.37 62.61610 (17011604) 645841.01 4200180.37 67.33892 (17123009)
645941.01 4200180.37 68.20277 (17020504) 646041.01 4200180.37 65.38631 (17012920)
646141.01 4200180.37 58.03086 (17122518) 646241.01 4200180.37 54.85814 (17012606)
646341.01 4200180.37 46.97959 (17011301) 646441.01 4200180.37 42.71317 (17021407)
646541.01 4200180.37 39.46514 (17013019) 646641.01 4200180.37 34.80191 (17122708)
646741.01 4200180.37 31.98911 (17123017) 646841.01 4200180.37 27.74810 (17013121)

646941.01 4200180.37 26.03681 (17011307) 647041.01 4200180.37 22.99025 (17121518)
647141.01 4200180.37 19.53238 (17121518) 647241.01 4200180.37 16.53384 (17022307)
647341.01 4200180.37 15.32426 (17022807) 644341.01 4200280.37 19.31324 (17022402)
644441.01 4200280.37 21.07012 (17121220) 644541.01 4200280.37 23.03213 (17121220)
644641.01 4200280.37 25.31900 (17022504) 644741.01 4200280.37 27.34685 (17011803)
644841.01 4200280.37 29.98532 (17011803) 644941.01 4200280.37 33.63926 (17122406)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	36.67344	(15022519)	645141.01	4200280.37	41.21623	(15020520)
645241.01	4200280.37	45.43786	(17020104)	645341.01	4200280.37	51.82507	(16012623)
645441.01	4200280.37	59.55236	(14120118)	645541.01	4200280.37	65.62921	(16021001)
645641.01	4200280.37	71.01961	(17121307)	645741.01	4200280.37	79.04040	(17012817)
645841.01	4200280.37	84.11263	(17123009)	645941.01	4200280.37	85.09973	(17020504)
646041.01	4200280.37	80.23219	(17011120)	646141.01	4200280.37	70.20895	(17012606)
646241.01	4200280.37	60.79124	(17011301)	646341.01	4200280.37	53.51895	(17021407)
646441.01	4200280.37	49.07257	(17013019)	646541.01	4200280.37	42.48164	(17122708)
646641.01	4200280.37	38.02150	(17123017)	646741.01	4200280.37	33.81455	(17011307)
646841.01	4200280.37	29.63423	(17121518)	646941.01	4200280.37	24.77891	(17121518)
647041.01	4200280.37	20.58140	(17022807)	647141.01	4200280.37	18.68067	(17022807)
647241.01	4200280.37	17.30711	(17122508)	647341.01	4200280.37	15.90932	(17020824)

644341.01 4200380.37 20.30242 (17021006) 644441.01 4200380.37 22.11730 (17021006)
644541.01 4200380.37 24.03475 (17122522) 644641.01 4200380.37 26.05127 (17022402)
644741.01 4200380.37 29.15680 (17121220) 644841.01 4200380.37 32.53648 (17022504)
644941.01 4200380.37 35.84587 (17011803) 645041.01 4200380.37 40.44944 (17122406)
645141.01 4200380.37 45.27468 (17122406) 645241.01 4200380.37 51.53134 (14021403)
645341.01 4200380.37 58.72431 (15012407) 645441.01 4200380.37 68.97516 (16012623)
645541.01 4200380.37 80.33671 (14120118) 645641.01 4200380.37 89.86224 (14120120)
645741.01 4200380.37 100.20743 (17010208) 645841.01 4200380.37 109.06529 (17123009)
645941.01 4200380.37 105.80397 (17020504) 646041.01 4200380.37 97.06415 (17020820)
646141.01 4200380.37 82.42359 (17012606) 646241.01 4200380.37 70.55143 (17122517)
646341.01 4200380.37 63.38230 (17013019) 646441.01 4200380.37 54.36959 (17123017)
646541.01 4200380.37 45.87030 (17011307) 646641.01 4200380.37 40.40077 (17011307)
646741.01 4200380.37 32.90401 (17121518) 646841.01 4200380.37 26.65661 (17022807)
646941.01 4200380.37 23.79049 (17122508) 647041.01 4200380.37 21.61703 (17122508)
647141.01 4200380.37 19.49092 (17020824) 647241.01 4200380.37 17.49764 (17021401)
647341.01 4200380.37 16.09821 (17021401) 644341.01 4200480.37 20.29084 (17020501)
644441.01 4200480.37 22.40063 (17020501) 644541.01 4200480.37 24.54693 (17020501)
644641.01 4200480.37 27.51097 (17021006) 644741.01 4200480.37 30.88726 (17021006)
644841.01 4200480.37 34.29752 (17122522) 644941.01 4200480.37 38.29914 (17121220)
645041.01 4200480.37 44.22040 (17012821) 645141.01 4200480.37 50.33363 (17011803)
645241.01 4200480.37 59.36316 (17122406) 645341.01 4200480.37 68.36387 (15022519)
645441.01 4200480.37 79.52007 (15012407) 645541.01 4200480.37 97.52883 (14121206)

645641.01 4200480.37 118.00575 (16021001) 645741.01 4200480.37 136.38609 (14010617)
645841.01 4200480.37 152.06744 (17123009) 645941.01 4200480.37 146.45974 (17011801)
646041.01 4200480.37 126.86332 (17012606) 646141.01 4200480.37 103.23046 (17122517)
646241.01 4200480.37 86.33382 (17013019) 646341.01 4200480.37 72.31325 (17123017)
646441.01 4200480.37 59.84673 (17011307) 646541.01 4200480.37 46.84887 (17121518)
646641.01 4200480.37 36.47595 (17022807) 646741.01 4200480.37 31.99615 (17122508)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	28.09218	(17020824)	646941.01	4200480.37	24.51905	(17021401)
647041.01	4200480.37	21.94609	(17021401)	647141.01	4200480.37	19.38894	(17021401)
647241.01	4200480.37	17.78284	(17121319)	647341.01	4200480.37	16.34556	(17121319)
644341.01	4200580.37	20.61745	(17122603)	644441.01	4200580.37	22.54943	(17012803)
644541.01	4200580.37	25.08267	(17012803)	644641.01	4200580.37	27.81092	(17012803)
644741.01	4200580.37	30.80997	(17020501)	644841.01	4200580.37	35.34525	(17020501)
644941.01	4200580.37	40.13422	(17021006)	645041.01	4200580.37	47.49604	(17021006)
645141.01	4200580.37	54.96385	(17122522)	645241.01	4200580.37	65.05622	(17121220)
645341.01	4200580.37	78.19591	(17022504)	645441.01	4200580.37	96.98587	(17122406)
645541.01	4200580.37	121.45034	(15020520)	645641.01	4200580.37	155.68307	(14121206)
645741.01	4200580.37	193.22070	(17121307)	645841.01	4200580.37	231.04570	(17123009)
645941.01	4200580.37	218.37507	(17122319)	646041.01	4200580.37	166.48306	(17011508)

646141.01 4200580.37 128.38426 (17012607) 646241.01 4200580.37 99.93632 (17011307)
646341.01 4200580.37 74.46364 (17121518) 646441.01 4200580.37 54.47326 (17122508)
646541.01 4200580.37 45.96058 (17020824) 646641.01 4200580.37 38.20683 (17021401)
646741.01 4200580.37 32.54282 (17021401) 646841.01 4200580.37 28.42090 (17121319)
646941.01 4200580.37 25.19978 (17121319) 647041.01 4200580.37 22.52673 (17010504)
647141.01 4200580.37 20.29756 (17010504) 647241.01 4200580.37 18.26921 (17010504)
647341.01 4200580.37 16.44754 (17010504) 644341.01 4200680.37 20.98560 (17123103)
644441.01 4200680.37 22.90865 (17123103) 644541.01 4200680.37 25.39770 (17121302)
644641.01 4200680.37 28.34827 (17121302) 644741.01 4200680.37 31.98187 (17122603)
644841.01 4200680.37 36.32174 (17122603) 644941.01 4200680.37 41.35356 (17122603)
645041.01 4200680.37 48.01945 (17012803) 645141.01 4200680.37 56.97772 (17012803)
645241.01 4200680.37 69.32867 (17020501) 645341.01 4200680.37 86.77929 (17021006)
645441.01 4200680.37 111.95720 (17122522) 645541.01 4200680.37 151.01168 (17022504)
645641.01 4200680.37 209.17660 (15022519) 645741.01 4200680.37 307.79687 (14120118)
645841.01 4200680.37 407.11427 (17123009) 645941.01 4200680.37 344.97802 (17020801)
646041.01 4200680.37 233.10626 (17123017) 646141.01 4200680.37 148.55595 (17011307)
646241.01 4200680.37 97.73278 (17020824) 646341.01 4200680.37 72.76065 (17021401)
646441.01 4200680.37 57.53144 (17121319) 646541.01 4200680.37 47.27599 (17010504)
646641.01 4200680.37 39.77956 (17010504) 646741.01 4200680.37 33.62787 (17121522)
646841.01 4200680.37 29.66571 (17121522) 646941.01 4200680.37 26.28307 (17121522)
647041.01 4200680.37 23.40090 (17121522) 647141.01 4200680.37 20.94013 (17121522)
647241.01 4200680.37 18.87108 (17021219) 647341.01 4200680.37 17.23993 (17021219)

644341.01	4200780.37	21.33433	(17123022)	644441.01	4200780.37	23.39883	(17123022)
644541.01	4200780.37	25.82511	(17123022)	644641.01	4200780.37	28.69724	(17123022)
644741.01	4200780.37	32.15335	(17123022)	644841.01	4200780.37	36.37407	(17123022)
644941.01	4200780.37	41.92278	(17122404)	645041.01	4200780.37	49.26390	(17122404)
645141.01	4200780.37	58.84948	(17122404)	645241.01	4200780.37	71.83409	(17122404)
645341.01	4200780.37	89.40123	(17123103)	645441.01	4200780.37	117.17384	(17121302)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	165.39628	(17122603)	645641.01	4200780.37	261.96529	(17121124)
645741.01	4200780.37	475.83307	(17021420)	646041.01	4200780.37	248.75345	(17121319)
646141.01	4200780.37	150.92622	(17121522)	646241.01	4200780.37	105.04861	(17121522)
646341.01	4200780.37	77.83708	(17021219)	646441.01	4200780.37	60.92628	(17021219)
646541.01	4200780.37	49.21115	(17021219)	646641.01	4200780.37	40.74398	(17021219)
646741.01	4200780.37	34.44788	(17021219)	646841.01	4200780.37	29.55845	(17011720)
646941.01	4200780.37	25.95970	(17011720)	647041.01	4200780.37	23.04145	(17011720)
647141.01	4200780.37	20.63617	(17011720)	647241.01	4200780.37	18.62573	(17011720)
647341.01	4200780.37	16.92476	(17011720)	644341.01	4200880.37	21.71672	(17122119)
644441.01	4200880.37	23.84392	(17122119)	644541.01	4200880.37	26.32918	(17122119)
644641.01	4200880.37	29.31009	(17122119)	644741.01	4200880.37	32.86252	(17122119)
644841.01	4200880.37	37.19285	(17122119)	644941.01	4200880.37	42.55739	(17122119)

645041.01	4200880.37	49.94259	(17021301)	645141.01	4200880.37	59.96482	(17021301)
645241.01	4200880.37	73.41061	(17021301)	645341.01	4200880.37	92.13696	(17021301)
645441.01	4200880.37	120.90423	(17120621)	645541.01	4200880.37	169.14100	(17012722)
645641.01	4200880.37	253.85157	(17123105)	645741.01	4200880.37	462.57113	(17010909)
645841.01	4200880.37	662.71152	(17012717)	645941.01	4200880.37	481.18955	(17123020)
646041.01	4200880.37	252.05798	(16121423)	646141.01	4200880.37	152.94517	(14120819)
646241.01	4200880.37	106.75788	(14122318)	646341.01	4200880.37	78.67303	(13121718)
646441.01	4200880.37	61.25213	(17021220)	646541.01	4200880.37	49.66400	(17021220)
646641.01	4200880.37	41.40019	(15121617)	646741.01	4200880.37	35.37006	(15121617)
646841.01	4200880.37	30.66724	(15121617)	646941.01	4200880.37	26.89244	(15121617)
647041.01	4200880.37	23.83044	(15121617)	647141.01	4200880.37	21.30676	(15121617)
647241.01	4200880.37	19.19796	(15121617)	647341.01	4200880.37	17.41460	(15121617)
644341.01	4200980.37	21.44270	(17021301)	644441.01	4200980.37	23.43097	(17121303)
644541.01	4200980.37	25.85448	(17013005)	644641.01	4200980.37	28.76717	(17013005)
644741.01	4200980.37	32.37829	(17021502)	644841.01	4200980.37	36.95241	(17012722)
644941.01	4200980.37	42.32216	(17012722)	645041.01	4200980.37	49.06556	(17010624)
645141.01	4200980.37	58.23254	(17121720)	645241.01	4200980.37	70.91077	(17122523)
645341.01	4200980.37	88.05923	(17121721)	645441.01	4200980.37	112.09532	(17010620)
645541.01	4200980.37	152.36223	(17122524)	645641.01	4200980.37	168.99084	(17043004)
645741.01	4200980.37	246.57746	(17120224)	645841.01	4200980.37	333.88345	(17020802)
645941.01	4200980.37	308.80383	(17011608)	646041.01	4200980.37	226.78389	(17120122)
646141.01	4200980.37	134.18299	(17122322)	646241.01	4200980.37	96.51513	(13011820)

646341.01 4200980.37 74.40812 (15120623) 646441.01 4200980.37 59.70781 (13121417)
646541.01 4200980.37 48.49308 (13121417) 646641.01 4200980.37 40.64126 (14120819)
646741.01 4200980.37 34.93394 (14120819) 646841.01 4200980.37 30.41967 (14122318)
646941.01 4200980.37 26.86986 (14122318) 647041.01 4200980.37 23.81739 (14122318)
647141.01 4200980.37 21.21213 (14122318) 647241.01 4200980.37 19.06299 (13121718)
647341.01 4200980.37 17.30941 (16022023) 644341.01 4201080.37 21.24901 (17012722)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	23.29397	(17010624)	644541.01	4201080.37	25.48843	(17010624)
644641.01	4201080.37	28.25528	(17121720)	644741.01	4201080.37	31.96080	(17121720)
644841.01	4201080.37	36.03328	(17122523)	644941.01	4201080.37	41.25221	(17122523)
645041.01	4201080.37	47.71414	(17120518)	645141.01	4201080.37	55.16642	(17120518)
645241.01	4201080.37	66.40334	(17122118)	645341.01	4201080.37	80.79916	(17122524)
645441.01	4201080.37	89.37240	(17120905)	645541.01	4201080.37	96.35716	(17120924)
645641.01	4201080.37	128.61237	(17121419)	645741.01	4201080.37	161.12141	(17021423)
645841.01	4201080.37	194.68234	(17122408)	645941.01	4201080.37	188.38826	(17120204)
646041.01	4201080.37	172.26495	(17022604)	646141.01	4201080.37	116.15228	(17120122)
646241.01	4201080.37	92.57072	(17122322)	646341.01	4201080.37	67.97391	(14010718)
646441.01	4201080.37	54.86834	(13020422)	646541.01	4201080.37	45.83817	(14010219)
646641.01	4201080.37	38.90980	(15120623)	646741.01	4201080.37	33.72272	(16121423)

646841.01	4201080.37	29.67009	(13121417)	646941.01	4201080.37	26.10472	(13121417)
647041.01	4201080.37	23.03119	(14011919)	647141.01	4201080.37	20.78259	(14120819)
647241.01	4201080.37	18.96064	(14120819)	647341.01	4201080.37	17.28112	(14120819)
644341.01	4201180.37	20.95014	(17121720)	644441.01	4201180.37	22.83313	(17122523)
644541.01	4201180.37	25.29180	(17122523)	644641.01	4201180.37	27.90380	(17121721)
644741.01	4201180.37	31.16796	(17120518)	644841.01	4201180.37	34.56802	(17120518)
644941.01	4201180.37	38.99077	(17121121)	645041.01	4201180.37	44.97021	(17122118)
645141.01	4201180.37	52.12061	(17122524)	645241.01	4201180.37	56.78736	(17120905)
645341.01	4201180.37	55.89540	(17030206)	645441.01	4201180.37	63.87513	(17021223)
645541.01	4201180.37	79.68486	(17120222)	645641.01	4201180.37	100.77622	(17121506)
645741.01	4201180.37	116.09877	(17020407)	645841.01	4201180.37	121.44847	(17122408)
645941.01	4201180.37	124.90162	(17122822)	646041.01	4201180.37	110.19725	(17121904)
646141.01	4201180.37	89.10050	(17022604)	646241.01	4201180.37	76.52822	(17120205)
646341.01	4201180.37	63.19913	(17122322)	646441.01	4201180.37	54.08093	(17122322)
646541.01	4201180.37	43.06905	(14010718)	646641.01	4201180.37	36.69209	(14010718)
646741.01	4201180.37	31.86393	(13011820)	646841.01	4201180.37	28.23745	(15021222)
646941.01	4201180.37	25.03553	(15120623)	647041.01	4201180.37	22.54107	(16121423)
647141.01	4201180.37	20.44712	(16121423)	647241.01	4201180.37	18.75912	(13121417)
647341.01	4201180.37	16.99970	(13121417)	644341.01	4201280.37	20.45696	(17121721)
644441.01	4201280.37	22.46032	(17120518)	644541.01	4201280.37	24.35368	(17120518)
644641.01	4201280.37	26.32991	(17121121)	644741.01	4201280.37	29.73019	(17122118)
644841.01	4201280.37	32.93635	(17122118)	644941.01	4201280.37	37.28231	(17122524)

645041.01	4201280.37	40.01940	(17120905)	645141.01	4201280.37	40.74178	(17011108)
645241.01	4201280.37	41.69847	(17120924)	645341.01	4201280.37	47.39694	(17020405)
645441.01	4201280.37	56.60341	(17120222)	645541.01	4201280.37	63.98373	(17121506)
645641.01	4201280.37	78.89089	(17021423)	645741.01	4201280.37	84.97720	(17121417)
645841.01	4201280.37	90.78188	(17122408)	645941.01	4201280.37	92.43644	(17122703)
646041.01	4201280.37	82.40171	(17120204)	646141.01	4201280.37	74.80728	(17011608)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	64.09589	(17120124)	646341.01	4201280.37	56.06062	(17120205)
646441.01	4201280.37	48.62507	(17122308)	646541.01	4201280.37	43.16022	(17122322)
646641.01	4201280.37	36.03378	(17122322)	646741.01	4201280.37	30.98081	(14010718)
646841.01	4201280.37	27.42291	(14010718)	646941.01	4201280.37	24.34487	(13020422)
647041.01	4201280.37	22.38767	(14010219)	647141.01	4201280.37	20.77937	(15021222)
647241.01	4201280.37	19.05282	(14010318)	647341.01	4201280.37	17.51923	(15120623)
644341.01	4201380.37	19.43988	(17010620)	644441.01	4201380.37	21.49426	(17121121)
644541.01	4201380.37	23.67194	(17122118)	644641.01	4201380.37	25.49320	(17122524)
644741.01	4201380.37	28.47820	(17122524)	644841.01	4201380.37	30.21552	(17120905)
644941.01	4201380.37	31.03386	(17011108)	645041.01	4201380.37	29.57416	(17030206)
645141.01	4201380.37	32.99737	(17120924)	645241.01	4201380.37	37.04242	(17020405)
645341.01	4201380.37	42.88765	(17120222)	645441.01	4201380.37	48.01229	(17120224)

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        645541.01   4201380.37       57.04713  (17021423)              645641.01   4201380.37       64.18709
(17020407)
        645741.01   4201380.37       66.26748  (17122622)              645841.01   4201380.37       68.76003
(17122408)
        645941.01   4201380.37       72.05680  (17120719)              646041.01   4201380.37       66.50728
(17120204)
        646141.01   4201380.37       60.07309  (17121904)              646241.01   4201380.37       55.40189
(17120123)
        646341.01   4201380.37       49.89876  (17120124)              646441.01   4201380.37       45.90034
(17120205)
        646541.01   4201380.37       40.52183  (17120122)              646641.01   4201380.37       35.85473
(17122322)
        646741.01   4201380.37       32.63996  (17122322)              646841.01   4201380.37       26.81571
(14021323)
        646941.01   4201380.37       24.59119  (14010718)              647041.01   4201380.37       22.27961
(14010718)
        647141.01   4201380.37       20.04353  (13020422)              647241.01   4201380.37       18.36765
(13011820)
        647341.01   4201380.37       16.92617  (14010219)              644341.01   4201480.37       19.36153
(17122118)
        644441.01   4201480.37       20.71919  (17122524)              644541.01   4201480.37       22.70050
(17122524)
        644641.01   4201480.37       23.87318  (17120905)              644741.01   4201480.37       24.50388
(17011108)
        644841.01   4201480.37       24.29655  (17011108)              644941.01   4201480.37       24.44674
(17022405)
        645041.01   4201480.37       26.69024  (17120924)              645141.01   4201480.37       30.02306
(17020405)
        645241.01   4201480.37       33.97443  (17120222)              645341.01   4201480.37       37.67712
(17120224)
        645441.01   4201480.37       42.88619  (17121506)              645541.01   4201480.37       48.39825
(17021423)
        645641.01   4201480.37       51.75295  (17020407)              645741.01   4201480.37       52.98993
(17122622)
        645841.01   4201480.37       55.02924  (17122408)              645941.01   4201480.37       57.76433
(17120719)
        646041.01   4201480.37       56.40126  (17122822)              646141.01   4201480.37       49.49337
(17120204)
        646241.01   4201480.37       46.89406  (17121820)              646341.01   4201480.37       44.06950
(17022604)
        646441.01   4201480.37       40.99762  (17120124)              646541.01   4201480.37       37.41063
(17120205)
        646641.01   4201480.37       33.41411  (17120122)              646741.01   4201480.37       28.88317
(17122308)
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646841.01	4201480.37	27.24761	(17122322)	646941.01	4201480.37	24.14049	(17122322)
647041.01	4201480.37	20.53111	(14021304)	647141.01	4201480.37	19.07907	(14010718)
647241.01	4201480.37	17.57467	(14010718)	647341.01	4201480.37	15.94473	(13020422)
644341.01	4201580.37	18.67569	(17122524)	644441.01	4201580.37	19.50839	(17120905)
644541.01	4201580.37	19.90888	(17011108)	644641.01	4201580.37	20.19570	(17011108)
644741.01	4201580.37	19.21422	(17121418)	644841.01	4201580.37	20.92374	(17120924)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***

INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	21.99108	(17120924)	645041.01	4201580.37	25.00440	(17020405)
645141.01	4201580.37	27.79855	(17120222)	645241.01	4201580.37	30.55173	(17121419)
645341.01	4201580.37	32.05898	(17121506)	645441.01	4201580.37	38.40743	(17021423)
645541.01	4201580.37	40.76340	(17020407)	645641.01	4201580.37	42.26951	(17020403)
645741.01	4201580.37	44.16145	(17020802)	645841.01	4201580.37	45.36235	(17122408)
645941.01	4201580.37	48.21978	(17021222)	646041.01	4201580.37	49.00260	(17122822)
646141.01	4201580.37	42.52072	(17120204)	646241.01	4201580.37	39.80049	(17121904)
646341.01	4201580.37	38.60827	(17011608)	646441.01	4201580.37	34.82410	(17022604)
646541.01	4201580.37	33.62614	(17120124)	646641.01	4201580.37	30.03162	(17120205)
646741.01	4201580.37	27.33211	(17120122)	646841.01	4201580.37	24.91529	(17122308)
646941.01	4201580.37	22.85856	(17122322)	647041.01	4201580.37	20.80719	(17122322)
647141.01	4201580.37	18.19770	(17122322)	647241.01	4201580.37	16.27578	(14021304)

647341.01 4201580.37 15.58651 (14010718) 644341.01 4201680.37 16.62128 (17120905)
644441.01 4201680.37 17.03826 (17011108) 644541.01 4201680.37 16.44982 (17011108)
644641.01 4201680.37 16.59740 (17022405) 644741.01 4201680.37 18.08016 (17120924)
644841.01 4201680.37 18.77526 (14120808) 644941.01 4201680.37 21.27052 (17020405)
645041.01 4201680.37 23.30963 (17120222) 645141.01 4201680.37 25.29182 (17121419)
645241.01 4201680.37 26.68379 (17122908) 645341.01 4201680.37 30.97478 (17121506)
645441.01 4201680.37 33.71312 (17021423) 645541.01 4201680.37 37.46907 (17020407)
645641.01 4201680.37 36.51618 (17121417) 645741.01 4201680.37 37.69217 (17020802)
645841.01 4201680.37 38.31244 (17122408) 645941.01 4201680.37 42.74097 (17021222)
646041.01 4201680.37 39.26796 (17013124) 646141.01 4201680.37 35.40917 (17021304)
646241.01 4201680.37 33.68369 (17120204) 646341.01 4201680.37 32.99633 (17121820)
646441.01 4201680.37 32.03021 (17120123) 646541.01 4201680.37 28.49907 (17012707)
646641.01 4201680.37 27.64436 (17120124) 646741.01 4201680.37 24.75750 (17120205)
646841.01 4201680.37 22.74776 (17120122) 646941.01 4201680.37 20.94954 (17122308)
647041.01 4201680.37 18.76816 (17123020) 647141.01 4201680.37 18.29410 (17122322)
647241.01 4201680.37 16.76382 (17122322) 647341.01 4201680.37 14.59996 (17122322)
644341.01 4201780.37 14.37469 (17011108) 644441.01 4201780.37 13.84373 (17121418)
644541.01 4201780.37 14.72164 (17120924) 644641.01 4201780.37 15.72393 (17120924)
644741.01 4201780.37 16.43307 (17120221) 644841.01 4201780.37 18.38390 (17020405)
644941.01 4201780.37 19.92707 (17120222) 645041.01 4201780.37 21.31060 (17121419)
645141.01 4201780.37 22.82426 (17120224) 645241.01 4201780.37 25.14700 (17121506)
645341.01 4201780.37 29.10225 (17021423) 645441.01 4201780.37 29.38621 (17122723)

645541.01	4201780.37	32.60000	(17020407)	645641.01	4201780.37	33.23439 (17122622)
645741.01	4201780.37	34.79024	(17020802)	645841.01	4201780.37	32.82131 (17122408)
645941.01	4201780.37	35.08054	(17021222)	646041.01	4201780.37	33.58339 (17122703)
646141.01	4201780.37	32.09015	(17021304)	646241.01	4201780.37	30.73780 (17120204)
646341.01	4201780.37	28.92892	(17121904)	646441.01	4201780.37	27.62253 (17011608)
646541.01	4201780.37	25.93652	(17120123)	646641.01	4201780.37	22.71809 (17012707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	22.77101	(17120124)	646841.01	4201780.37	21.05526	(17120205)
646941.01	4201780.37	19.36047	(17120122)	647041.01	4201780.37	18.20251	(17122308)
647141.01	4201780.37	16.76148	(17122308)	647241.01	4201780.37	15.95763	(17122322)
647341.01	4201780.37	15.22168	(17122322)	644341.01	4201880.37	12.21717	(17022405)
644441.01	4201880.37	13.21199	(17120924)	644541.01	4201880.37	13.76644	(17120924)
644641.01	4201880.37	14.55708	(17120221)	644741.01	4201880.37	16.11408	(17020405)
644841.01	4201880.37	17.30444	(17120222)	644941.01	4201880.37	18.20551	(17121419)
645041.01	4201880.37	20.33644	(17120224)	645141.01	4201880.37	20.75622	(17121506)
645241.01	4201880.37	24.62395	(17121506)	645341.01	4201880.37	26.66409	(17021423)
645441.01	4201880.37	26.60594	(17020407)	645541.01	4201880.37	26.24569	(17020403)
645641.01	4201880.37	27.56241	(17122622)	645741.01	4201880.37	28.14430	(17020802)
645841.01	4201880.37	28.61788	(17122408)	645941.01	4201880.37	30.70598	(17021222)

646041.01 4201880.37 29.03971 (17122703) 646141.01 4201880.37 30.53624 (17122822)
646241.01 4201880.37 28.51861 (17120204) 646341.01 4201880.37 24.78366 (17120204)
646441.01 4201880.37 26.29325 (17121820) 646541.01 4201880.37 23.44768 (17011608)
646641.01 4201880.37 22.11091 (17022604) 646741.01 4201880.37 19.92471 (17120124)
646841.01 4201880.37 19.77711 (17120124) 646941.01 4201880.37 18.39252 (17120205)
647041.01 4201880.37 16.90332 (17120122) 647141.01 4201880.37 16.07461 (17120122)
647241.01 4201880.37 15.11559 (17122308) 647341.01 4201880.37 13.91459 (17122322)
644341.01 4201980.37 11.87940 (17120924) 644441.01 4201980.37 12.13320 (17120924)
644541.01 4201980.37 13.00907 (17120221) 644641.01 4201980.37 14.27546 (17020405)
644741.01 4201980.37 15.61527 (17020406) 644841.01 4201980.37 16.61897 (17120222)
644941.01 4201980.37 18.37193 (17121419) 645041.01 4201980.37 18.34849 (17122908)
645141.01 4201980.37 20.00542 (17121506) 645241.01 4201980.37 21.73358 (17021423)
645341.01 4201980.37 22.01293 (17122723) 645441.01 4201980.37 23.96531 (17020407)
645541.01 4201980.37 23.72736 (17121417) 645641.01 4201980.37 24.46561 (17122622)
645741.01 4201980.37 26.82830 (17020802) 645841.01 4201980.37 27.15400 (17122408)
645941.01 4201980.37 27.23100 (17021222) 646041.01 4201980.37 26.80184 (17011706)
646141.01 4201980.37 27.20049 (17122822) 646241.01 4201980.37 24.67606 (17021304)
646341.01 4201980.37 24.63672 (17120204) 646441.01 4201980.37 23.20610 (17121904)
646541.01 4201980.37 21.80775 (17121820) 646641.01 4201980.37 20.64953 (17120123)
646741.01 4201980.37 19.07092 (17012707) 646841.01 4201980.37 17.73575 (17120124)
646941.01 4201980.37 17.44381 (17120124) 647041.01 4201980.37 16.31246 (17011918)
647141.01 4201980.37 14.93711 (17120122) 647241.01 4201980.37 14.44291 (17120122)

647341.01	4201980.37	13.68044	(17122308)	644341.01	4202080.37	10.80763	(15021822)
644441.01	4202080.37	11.71383	(17021223)	644541.01	4202080.37	13.19496	(17122117)
644641.01	4202080.37	14.09184	(17020406)	644741.01	4202080.37	14.83903	(17120222)
644841.01	4202080.37	15.84345	(17121419)	644941.01	4202080.37	15.68177	(17122908)
645041.01	4202080.37	16.74825	(17121506)	645141.01	4202080.37	18.62716	(17121506)
645241.01	4202080.37	19.81741	(17021423)	645341.01	4202080.37	20.25926	(17020407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	21.23985	(17020407)	645541.01	4202080.37	23.35678	(17121417)
645641.01	4202080.37	24.06117	(17122622)	645741.01	4202080.37	23.96130	(17020802)
645841.01	4202080.37	24.22944	(17122408)	645941.01	4202080.37	24.23329	(17021222)
646041.01	4202080.37	24.10958	(17120719)	646141.01	4202080.37	24.55132	(17122822)
646241.01	4202080.37	23.13136	(17021304)	646341.01	4202080.37	22.64087	(17120204)
646441.01	4202080.37	20.53367	(17121905)	646541.01	4202080.37	20.72981	(17121904)
646641.01	4202080.37	19.59892	(17011608)	646741.01	4202080.37	18.25520	(17120123)
646841.01	4202080.37	16.65508	(17012707)	646941.01	4202080.37	15.87557	(17120124)
647041.01	4202080.37	15.49291	(17120124)	647141.01	4202080.37	14.56877	(17011918)
647241.01	4202080.37	13.37664	(17011918)	647341.01	4202080.37	13.03851	(17120122)
644341.01	4202180.37	11.10712	(17021223)	644441.01	4202180.37	12.27634	(17122117)
644541.01	4202180.37	12.67039	(17020406)	644641.01	4202180.37	12.72361	(17120222)

644741.01 4202180.37 13.50830 (17121419) 644841.01 4202180.37 14.01018 (17120224)
644941.01 4202180.37 14.01493 (17121506) 645041.01 4202180.37 16.37507 (17121506)
645141.01 4202180.37 17.54094 (17021423) 645241.01 4202180.37 17.89264 (17122723)
645341.01 4202180.37 20.58219 (17020407) 645441.01 4202180.37 20.27081 (17120705)
645541.01 4202180.37 22.28911 (17122622) 645641.01 4202180.37 22.73881 (17020802)
645741.01 4202180.37 21.52410 (17121308) 645841.01 4202180.37 21.89416 (17122408)
645941.01 4202180.37 22.90120 (17021222) 646041.01 4202180.37 22.13646 (17120719)
646141.01 4202180.37 22.07688 (17122703) 646241.01 4202180.37 21.43314 (17021304)
646341.01 4202180.37 19.53360 (17120204) 646441.01 4202180.37 18.54143 (17120204)
646541.01 4202180.37 17.93907 (17121904) 646641.01 4202180.37 17.57421 (17121820)
646741.01 4202180.37 17.51736 (17011608) 646841.01 4202180.37 16.92030 (17022604)
646941.01 4202180.37 15.07365 (17012707) 647041.01 4202180.37 14.29857 (17120124)
647141.01 4202180.37 13.88325 (17120124) 647241.01 4202180.37 13.12025 (17011918)
647341.01 4202180.37 12.15945 (17011918) 644341.01 4202280.37 10.44803 (17020405)
644441.01 4202280.37 10.96245 (17122117) 644541.01 4202280.37 11.48031 (17120222)
644641.01 4202280.37 12.09178 (17121419) 644741.01 4202280.37 12.66382 (17120224)
644841.01 4202280.37 12.66141 (17122908) 644941.01 4202280.37 14.22345 (17121506)
645041.01 4202280.37 15.22300 (17121506) 645141.01 4202280.37 16.16647 (17021423)
645241.01 4202280.37 18.87943 (17120619) 645341.01 4202280.37 20.79623 (17020407)
645441.01 4202280.37 21.02366 (17020403) 645541.01 4202280.37 22.00024 (17122622)
645641.01 4202280.37 21.87533 (17020802) 645741.01 4202280.37 21.16471 (17121308)
645841.01 4202280.37 21.72265 (17122408) 645941.01 4202280.37 21.93706 (17021222)

646041.01	4202280.37	20.57758	(17120719)	646141.01	4202280.37	19.66322	(17122703)
646241.01	4202280.37	18.78824	(17122822)	646341.01	4202280.37	17.09507	(17021304)
646441.01	4202280.37	17.34157	(17120204)	646541.01	4202280.37	16.02983	(17121905)
646641.01	4202280.37	16.05189	(17121904)	646741.01	4202280.37	16.00189	(17011608)
646841.01	4202280.37	15.34168	(17120123)	646941.01	4202280.37	14.22594	(17022604)
647041.01	4202280.37	12.90038	(17012707)	647141.01	4202280.37	12.96631	(17120124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STACK02 ***
INCLUDING SOURCE(S): STACK02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	12.53895	(17121323)	647341.01	4202280.37	11.90083	(17011918)
645946.01	4200731.54	418.86096	(17120121)	645933.67	4200896.54	475.50563	(17120122)
645889.89	4200889.80	599.16031	(17021405)	645847.24	4200866.23	664.71088	(17030308)
645697.97	4200718.07	297.69139	(15022519)	645704.70	4200712.46	298.34040	(16121303)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
648147.98	4201090.65	43.22781	(14120622)	646506.52	4202111.83	84.94410	(17121905)
645939.20	4200707.16	1354.09532	(17120121)	644341.01	4199280.37	59.93914	(15120519)
644441.01	4199280.37	62.40019	(13010518)	644541.01	4199280.37	63.86640	(15120208)
644641.01	4199280.37	67.03302	(16121304)	644741.01	4199280.37	69.74087	(17122817)
644841.01	4199280.37	70.70780	(16011024)	644941.01	4199280.37	73.32320	(16021001)
645041.01	4199280.37	75.68971	(14120120)	645141.01	4199280.37	79.53378	(17122818)
645241.01	4199280.37	81.57235	(17121502)	645341.01	4199280.37	81.19203	(16022205)
645441.01	4199280.37	83.57628	(17010208)	645541.01	4199280.37	85.15215	(17011604)
645641.01	4199280.37	85.75622	(17011207)	645741.01	4199280.37	83.36282	(17122707)

645841.01 4199280.37 90.58366 (17021904) 645941.01 4199280.37 89.74954 (17121920)
646041.01 4199280.37 88.67503 (17121920) 646141.01 4199280.37 86.76407 (17122221)
646241.01 4199280.37 86.34075 (17021418) 646341.01 4199280.37 81.96808 (17011120)
646441.01 4199280.37 80.86199 (17020820) 646541.01 4199280.37 74.59630 (17121519)
646641.01 4199280.37 74.97931 (17011220) 646741.01 4199280.37 74.65290 (17012606)
646841.01 4199280.37 67.16800 (17011805) 646941.01 4199280.37 61.67855 (17011301)
647041.01 4199280.37 64.63647 (17122517) 647141.01 4199280.37 62.59204 (17122517)
647241.01 4199280.37 58.88063 (17120117) 647341.01 4199280.37 58.00347 (17120117)
644341.01 4199380.37 61.69446 (15120519) 644441.01 4199380.37 65.70854 (15120519)
644541.01 4199380.37 68.73390 (13010518) 644641.01 4199380.37 70.45962 (15120208)
644741.01 4199380.37 73.83014 (16121304) 644841.01 4199380.37 77.40276 (17122817)
644941.01 4199380.37 78.29638 (16021001) 645041.01 4199380.37 81.80482 (14010818)
645141.01 4199380.37 85.18623 (14120120) 645241.01 4199380.37 87.14213 (15120723)
645341.01 4199380.37 89.90185 (17121502) 645441.01 4199380.37 91.15397 (17010208)
645541.01 4199380.37 92.54489 (17011604) 645641.01 4199380.37 93.12203 (17011207)
645741.01 4199380.37 91.21823 (17122707) 645841.01 4199380.37 98.47314 (17021904)
645941.01 4199380.37 98.26576 (17121920) 646041.01 4199380.37 95.56595 (17020504)
646141.01 4199380.37 95.20890 (17122221) 646241.01 4199380.37 91.06707 (17021418)
646341.01 4199380.37 88.18190 (17020820) 646441.01 4199380.37 84.54624 (17020820)
646541.01 4199380.37 82.65376 (17011220) 646641.01 4199380.37 82.09217 (17012606)
646741.01 4199380.37 76.26653 (17012606) 646841.01 4199380.37 67.23895 (17011301)
646941.01 4199380.37 68.49174 (17122517) 647041.01 4199380.37 67.69673 (17122517)

647141.01	4199380.37	63.94402	(17120117)	647241.01	4199380.37	63.37594	(17120117)
647341.01	4199380.37	59.54636	(17013019)	644341.01	4199480.37	64.79895	(14022024)
644441.01	4199480.37	67.79874	(15120519)	644541.01	4199480.37	72.49816	(15120519)
644641.01	4199480.37	76.15803	(13010518)	644741.01	4199480.37	78.01525	(15120208)
644841.01	4199480.37	81.85669	(13022418)	644941.01	4199480.37	85.30479	(17122817)
645041.01	4199480.37	88.04901	(16021001)	645141.01	4199480.37	90.81750	(14120120)
645241.01	4199480.37	95.50146	(17122818)	645341.01	4199480.37	98.95743	(17121502)
645441.01	4199480.37	99.05723	(17122819)	645541.01	4199480.37	100.24154	(17011604)
645641.01	4199480.37	101.29882	(17011207)	645741.01	4199480.37	100.33660	(17122707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645841.01	4199480.37	107.64241	(17021904)	645941.01	4199480.37	108.01313	(17121920)
646041.01	4199480.37	104.50336	(17020504)	646141.01	4199480.37	103.88710	(17122221)
646241.01	4199480.37	97.67905	(17011120)	646341.01	4199480.37	96.80415	(17020820)
646441.01	4199480.37	88.37034	(17121519)	646541.01	4199480.37	88.43367	(17012606)
646641.01	4199480.37	87.04925	(17012606)	646741.01	4199480.37	76.80182	(17011805)
646841.01	4199480.37	74.46439	(17122517)	646941.01	4199480.37	73.57216	(17122517)
647041.01	4199480.37	68.52025	(17120117)	647141.01	4199480.37	68.19542	(17120117)
647241.01	4199480.37	64.46322	(17013019)	647341.01	4199480.37	61.46371	(17012607)
644341.01	4199580.37	69.64757	(15120820)	644441.01	4199580.37	71.34913	(14022024)

644541.01 4199580.37 75.02402 (15120519) 644641.01 4199580.37 80.58534 (15120519)
644741.01 4199580.37 84.94174 (13010518) 644841.01 4199580.37 87.58765 (16121304)
644941.01 4199580.37 92.21590 (17122817) 645041.01 4199580.37 94.18903 (16011024)
645141.01 4199580.37 99.16773 (14010818) 645241.01 4199580.37 103.50367 (14120120)
645341.01 4199580.37 106.38547 (17121502) 645441.01 4199580.37 107.20392 (17122819)
645541.01 4199580.37 110.46921 (17011603) 645641.01 4199580.37 111.05741 (17122706)
645741.01 4199580.37 111.01355 (17122707) 645841.01 4199580.37 118.41795 (17021904)
645941.01 4199580.37 119.25666 (17121920) 646041.01 4199580.37 114.24360 (17020504)
646141.01 4199580.37 113.77933 (17021418) 646241.01 4199580.37 107.09056 (17011120)
646341.01 4199580.37 103.65649 (17020820) 646441.01 4199580.37 99.07114 (17011220)
646541.01 4199580.37 98.13384 (17012606) 646641.01 4199580.37 87.61380 (17011805)
646741.01 4199580.37 80.72016 (17122517) 646841.01 4199580.37 81.83311 (17122517)
646941.01 4199580.37 75.04441 (17120117) 647041.01 4199580.37 74.81226 (17120117)
647141.01 4199580.37 70.06738 (17013019) 647241.01 4199580.37 66.74217 (17012607)
647341.01 4199580.37 62.85614 (17012607) 644341.01 4199680.37 72.27952 (17020902)
644441.01 4199680.37 77.22752 (15120820) 644541.01 4199680.37 79.03556 (14022024)
644641.01 4199680.37 83.69032 (15120519) 644741.01 4199680.37 90.35389 (15120519)
644841.01 4199680.37 95.43957 (13010518) 644941.01 4199680.37 99.73211 (16121304)
645041.01 4199680.37 105.30024 (17122817) 645141.01 4199680.37 108.09863 (16021001)
645241.01 4199680.37 112.04157 (14120120) 645341.01 4199680.37 117.38826 (17122818)
645441.01 4199680.37 121.04334 (17121502) 645541.01 4199680.37 122.36510 (17010208)
645641.01 4199680.37 123.18021 (17122706) 645741.01 4199680.37 123.63094 (17122707)

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       645841.01   4199680.37      131.24754  (17021904)              645941.01   4199680.37      132.34597
(17121920)
       646041.01   4199680.37      125.81705  (17120606)              646141.01   4199680.37      123.64826
(17021418)
       646241.01   4199680.37      117.95663  (17020820)              646341.01   4199680.37      107.48894
(17020820)
       646441.01   4199680.37      108.30427  (17012606)              646541.01   4199680.37      103.02591
(17012606)
       646641.01   4199680.37       89.74551  (17011301)              646741.01   4199680.37       91.02695
(17122517)
       646841.01   4199680.37       83.50185  (17122517)              646941.01   4199680.37       82.71051
(17120117)
       647041.01   4199680.37       77.55841  (17013019)              647141.01   4199680.37       73.65496
(17012607)
       647241.01   4199680.37       68.33307  (17012607)              647341.01   4199680.37       65.54549
(17021419)
       644341.01   4199780.37       74.53167  (15120207)              644441.01   4199780.37       80.65906
(14021403)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644541.01	4199780.37	86.51639	(17020902)	644641.01	4199780.37	89.62265	(15120820)
644741.01	4199780.37	94.41524	(13121202)	644841.01	4199780.37	102.34901	(15120519)
644941.01	4199780.37	108.12210	(13010518)	645041.01	4199780.37	113.91053	(16121304)
645141.01	4199780.37	119.30585	(17122817)	645241.01	4199780.37	123.86261	(14010818)
645341.01	4199780.37	129.75724	(14120120)	645441.01	4199780.37	135.84118	(17121502)
645541.01	4199780.37	137.05089	(17010208)	645641.01	4199780.37	138.85464	(17011604)
645741.01	4199780.37	138.68303	(17122707)	645841.01	4199780.37	146.76332	(17021904)
645941.01	4199780.37	147.74905	(17121920)	646041.01	4199780.37	140.44486	(17122221)
646141.01	4199780.37	133.21118	(17012920)	646241.01	4199780.37	130.87078	(17020820)

646341.01 4199780.37 122.48185 (17011220) 646441.01 4199780.37 120.21003 (17012606)
646541.01 4199780.37 103.97759 (17011805) 646641.01 4199780.37 102.10478 (17122517)
646741.01 4199780.37 94.67993 (17122517) 646841.01 4199780.37 92.49180 (17120117)
646941.01 4199780.37 86.35258 (17013019) 647041.01 4199780.37 81.74326 (17012607)
647141.01 4199780.37 74.48505 (17012607) 647241.01 4199780.37 72.87958 (17021419)
647341.01 4199780.37 68.63964 (17021419) 644341.01 4199880.37 81.12155 (17121205)
644441.01 4199880.37 82.96888 (15120207) 644541.01 4199880.37 90.27096 (14021403)
644641.01 4199880.37 97.64545 (17020902) 644741.01 4199880.37 102.94149 (15120820)
644841.01 4199880.37 108.09212 (14022024) 644941.01 4199880.37 117.36947 (15120519)
645041.01 4199880.37 123.61558 (13010518) 645141.01 4199880.37 131.16572 (13022418)
645241.01 4199880.37 136.50046 (16021001) 645341.01 4199880.37 143.53970 (14120120)
645441.01 4199880.37 150.19874 (15120723) 645541.01 4199880.37 152.65620 (17122819)
645641.01 4199880.37 157.36597 (17011604) 645741.01 4199880.37 156.80650 (17122707)
645841.01 4199880.37 165.88857 (17021904) 645941.01 4199880.37 166.09450 (17121920)
646041.01 4199880.37 159.83419 (17122221) 646141.01 4199880.37 150.60509 (17011120)
646241.01 4199880.37 140.03711 (17020820) 646341.01 4199880.37 137.33604 (17012606)
646441.01 4199880.37 124.09521 (17012606) 646541.01 4199880.37 115.20044 (17122517)
646641.01 4199880.37 108.97435 (17122517) 646741.01 4199880.37 104.66537 (17120117)
646841.01 4199880.37 97.16738 (17013019) 646941.01 4199880.37 91.27431 (17012607)
647041.01 4199880.37 83.51087 (17011317) 647141.01 4199880.37 81.00283 (17021419)
647241.01 4199880.37 75.92220 (17013121) 647341.01 4199880.37 71.98773 (17013121)
644341.01 4199980.37 85.47915 (17121205) 644441.01 4199980.37 93.01506 (17121205)

644541.01 4199980.37 94.73613 (17121205) 644641.01 4199980.37 100.64396 (14021403)
644741.01 4199980.37 110.54889 (17020902) 644841.01 4199980.37 119.44061 (15120820)
644941.01 4199980.37 125.69848 (14022024) 645041.01 4199980.37 136.78255 (15122801)
645141.01 4199980.37 145.16422 (16020605) 645241.01 4199980.37 156.65953 (17122817)
645341.01 4199980.37 162.10742 (16021001) 645441.01 4199980.37 170.75571 (17122818)
645541.01 4199980.37 177.19282 (17121502) 645641.01 4199980.37 178.74410 (14120724)
645741.01 4199980.37 181.14791 (17011207) 645841.01 4199980.37 190.02782 (17021904)
645941.01 4199980.37 188.21013 (17121920) 646041.01 4199980.37 182.15870 (17021418)
646141.01 4199980.37 171.47620 (17020820) 646241.01 4199980.37 158.42519 (17011220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646341.01	4199980.37	152.31778	(17012606)	646441.01	4199980.37	130.59197	(17122517)
646541.01	4199980.37	126.87674	(17122517)	646641.01	4199980.37	119.77550	(17120117)
646741.01	4199980.37	110.68066	(17013019)	646841.01	4199980.37	102.67512	(17012607)
646941.01	4199980.37	95.16824	(17021419)	647041.01	4199980.37	89.93789	(17021419)
647141.01	4199980.37	85.04648	(17013121)	647241.01	4199980.37	80.48088	(17121518)
647341.01	4199980.37	76.33769	(17121518)	644341.01	4200080.37	89.63321	(17011702)
644441.01	4200080.37	95.07339	(17011702)	644541.01	4200080.37	104.19530	(17121205)
644641.01	4200080.37	112.50507	(17121205)	644741.01	4200080.37	115.33234	(15120207)
644841.01	4200080.37	128.02615	(14021403)	644941.01	4200080.37	140.19069	(15120820)

645041.01 4200080.37 148.78904 (14022024) 645141.01 4200080.37 162.63966 (15122801)
645241.01 4200080.37 174.91601 (16121304) 645341.01 4200080.37 186.04737 (17122817)
645441.01 4200080.37 193.99150 (14120120) 645541.01 4200080.37 204.51148 (17121502)
645641.01 4200080.37 208.82530 (17010208) 645741.01 4200080.37 212.03712 (17011207)
645841.01 4200080.37 222.14168 (17021904) 645941.01 4200080.37 217.08270 (17020504)
646041.01 4200080.37 208.50813 (17021418) 646141.01 4200080.37 194.09323 (17020820)
646241.01 4200080.37 183.81608 (17012606) 646341.01 4200080.37 155.81887 (17011805)
646441.01 4200080.37 150.52739 (17122517) 646541.01 4200080.37 140.23283 (17120117)
646641.01 4200080.37 128.09588 (17013019) 646741.01 4200080.37 116.46640 (17012607)
646841.01 4200080.37 109.22310 (17021419) 646941.01 4200080.37 101.40174 (17013121)
647041.01 4200080.37 94.74087 (17121518) 647141.01 4200080.37 90.64185 (17121518)
647241.01 4200080.37 82.61547 (17121518) 647341.01 4200080.37 72.18311 (17121518)
644341.01 4200180.37 93.40245 (17121902) 644441.01 4200180.37 101.45478 (17120623)
644541.01 4200180.37 108.81905 (17011702) 644641.01 4200180.37 116.72924 (17011702)
644741.01 4200180.37 130.59226 (17121205) 644841.01 4200180.37 138.98882 (17121205)
644941.01 4200180.37 149.49724 (14021403) 645041.01 4200180.37 167.82917 (17020902)
645141.01 4200180.37 180.18202 (14022024) 645241.01 4200180.37 199.75217 (13010518)
645341.01 4200180.37 215.68380 (16121304) 645441.01 4200180.37 227.80717 (16021001)
645541.01 4200180.37 239.41025 (17122818) 645641.01 4200180.37 244.73045 (17010208)
645741.01 4200180.37 250.67643 (17011207) 645841.01 4200180.37 265.02457 (17021904)
645941.01 4200180.37 259.24809 (17020504) 646041.01 4200180.37 243.99000 (17011120)
646141.01 4200180.37 221.74637 (17011220) 646241.01 4200180.37 203.43563 (17012606)

646341.01 4200180.37 182.56749 (17122517) 646441.01 4200180.37 167.58404 (17120117)
646541.01 4200180.37 150.64817 (17013019) 646641.01 4200180.37 133.33167 (17011317)
646741.01 4200180.37 125.51088 (17021419) 646841.01 4200180.37 116.36023 (17013121)
646941.01 4200180.37 109.58713 (17121518) 647041.01 4200180.37 100.09772 (17121518)
647141.01 4200180.37 87.19621 (17121518) 647241.01 4200180.37 72.69980 (17121518)
647341.01 4200180.37 65.96801 (17022807) 644341.01 4200280.37 94.63292 (17121901)
644441.01 4200280.37 102.06836 (17121902) 644541.01 4200280.37 114.15636 (17121902)
644641.01 4200280.37 125.08099 (17120623) 644741.01 4200280.37 136.31528 (17011702)
644841.01 4200280.37 148.58171 (17011702) 644941.01 4200280.37 169.86426 (17121205)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645041.01	4200280.37	178.18006	(15120207)	645141.01	4200280.37	205.02905	(17020902)
645241.01	4200280.37	224.93711	(14022024)	645341.01	4200280.37	253.95164	(13010518)
645441.01	4200280.37	274.67355	(17122817)	645541.01	4200280.37	286.34282	(14010818)
645641.01	4200280.37	301.81566	(17121502)	645741.01	4200280.37	308.94781	(17011604)
645841.01	4200280.37	325.75210	(17021904)	645941.01	4200280.37	313.85278	(17120606)
646041.01	4200280.37	296.26287	(17020820)	646141.01	4200280.37	270.39285	(17012606)
646241.01	4200280.37	226.77142	(17122517)	646341.01	4200280.37	206.67851	(17120117)
646441.01	4200280.37	182.53804	(17012607)	646541.01	4200280.37	161.44833	(17021419)
646641.01	4200280.37	146.92473	(17013121)	646741.01	4200280.37	136.11904	(17121518)

646841.01	4200280.37	124.33168	(17121518)	646941.01	4200280.37	107.74487	(17121518)
647041.01	4200280.37	88.97637	(17121518)	647141.01	4200280.37	79.38155	(17022807)
647241.01	4200280.37	72.32744	(17021005)	647341.01	4200280.37	68.95643	(17021005)
644341.01	4200380.37	98.91458	(17012721)	644441.01	4200380.37	107.42640	(17012721)
644541.01	4200380.37	117.10585	(17121901)	644641.01	4200380.37	127.25982	(17121901)
644741.01	4200380.37	142.50327	(17121902)	644841.01	4200380.37	160.00379	(17121902)
644941.01	4200380.37	179.89938	(17120623)	645041.01	4200380.37	199.44996	(17011702)
645141.01	4200380.37	232.91462	(17121205)	645241.01	4200380.37	259.60789	(14021403)
645341.01	4200380.37	293.96463	(15120820)	645441.01	4200380.37	338.87609	(13010518)
645541.01	4200380.37	359.22117	(17122817)	645641.01	4200380.37	374.40586	(15120723)
645741.01	4200380.37	390.06425	(17011604)	645841.01	4200380.37	416.00257	(17021904)
645941.01	4200380.37	399.92617	(17122221)	646041.01	4200380.37	346.35948	(17011220)
646141.01	4200380.37	291.81093	(17011301)	646241.01	4200380.37	265.77810	(17120117)
646341.01	4200380.37	230.12780	(17012607)	646441.01	4200380.37	198.99598	(17021419)
646541.01	4200380.37	177.04267	(17121518)	646641.01	4200380.37	159.92948	(17121518)
646741.01	4200380.37	136.95534	(17121518)	646841.01	4200380.37	112.00604	(17121518)
646941.01	4200380.37	98.05134	(17022807)	647041.01	4200380.37	90.97556	(17021005)
647141.01	4200380.37	84.46727	(17021005)	647241.01	4200380.37	77.77839	(17021401)
647341.01	4200380.37	71.90834	(17021401)	644341.01	4200480.37	100.44239	(17121802)
644441.01	4200480.37	108.96854	(17121802)	644541.01	4200480.37	120.65906	(17020501)
644641.01	4200480.37	132.76497	(17012721)	644741.01	4200480.37	149.43579	(17012721)
644841.01	4200480.37	166.33591	(17122522)	644941.01	4200480.37	186.06773	(17121901)

645041.01	4200480.37	218.59178	(17121902)	645141.01	4200480.37	255.17697	(17120623)
645241.01	4200480.37	297.87910	(17121205)	645341.01	4200480.37	347.97616	(17121205)
645441.01	4200480.37	420.55011	(15120820)	645541.01	4200480.37	479.75615	(13010518)
645641.01	4200480.37	500.96852	(16021001)	645741.01	4200480.37	535.45096	(17010208)
645841.01	4200480.37	576.08593	(17021904)	645941.01	4200480.37	540.24424	(17011120)
646041.01	4200480.37	466.83275	(17012606)	646141.01	4200480.37	371.22492	(17120117)
646241.01	4200480.37	304.53746	(17012607)	646341.01	4200480.37	255.05525	(17013121)
646441.01	4200480.37	220.78769	(17121518)	646541.01	4200480.37	180.86057	(17121518)
646641.01	4200480.37	145.34494	(17121518)	646741.01	4200480.37	127.74250	(17021005)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646841.01	4200480.37	117.45975	(17021005)	646941.01	4200480.37	106.46016	(17021401)
647041.01	4200480.37	96.42566	(17021401)	647141.01	4200480.37	85.96711	(17021401)
647241.01	4200480.37	77.07290	(17122722)	647341.01	4200480.37	71.14507	(17122722)
644341.01	4200580.37	100.87853	(17122606)	644441.01	4200580.37	110.82446	(17122606)
644541.01	4200580.37	121.59824	(17122606)	644641.01	4200580.37	133.14921	(17122606)
644741.01	4200580.37	150.97554	(17121802)	644841.01	4200580.37	170.88658	(17121802)
644941.01	4200580.37	195.18782	(17020501)	645041.01	4200580.37	226.18763	(17012721)
645141.01	4200580.37	265.06558	(17012721)	645241.01	4200580.37	314.01559	(17121902)
645341.01	4200580.37	400.12694	(17120623)	645441.01	4200580.37	517.33700	(17121205)

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       645541.01   4200580.37      704.59810  (17020902)                645641.01   4200580.37      772.19349
(14121206)
       645741.01   4200580.37      797.54508  (17121307)                645841.01   4200580.37      881.05383
(17122418)
       645941.01   4200580.37      783.24094  (17020820)                646041.01   4200580.37      586.10850
(17122517)
       646141.01   4200580.37      440.59045  (17021419)                646241.01   4200580.37      353.16968
(17121518)
       646341.01   4200580.37      258.18121  (17121518)                646441.01   4200580.37      200.61137
(17022807)
       646541.01   4200580.37      178.66328  (17021005)                646641.01   4200580.37      158.77770
(17021401)
       646741.01   4200580.37      139.62866  (17021401)                646841.01   4200580.37      120.14394
(17021401)
       646941.01   4200580.37      107.34073  (17122722)                647041.01   4200580.37       97.69431
(17012603)
       647141.01   4200580.37       88.52604  (17012603)                647241.01   4200580.37       79.95843
(17012603)
       647341.01   4200580.37       72.11067  (17012603)                644341.01   4200680.37      101.44128
(17122407)
       644441.01   4200680.37      110.47353  (17122407)                644541.01   4200680.37      120.81578
(17122407)
       644641.01   4200680.37      132.67888  (17122407)                644741.01   4200680.37      146.96866
(17121908)
       644841.01   4200680.37      165.95769  (17122606)                644941.01   4200680.37      193.16445
(17122606)
       645041.01   4200680.37      226.26015  (17122606)                645141.01   4200680.37      266.57603
(17122606)
       645241.01   4200680.37      322.90646  (17121802)                645341.01   4200680.37      400.27107
(17020501)
       645441.01   4200680.37      531.90074  (17012721)                645541.01   4200680.37      789.77050
(17121220)
       645641.01   4200680.37      989.78368  (17120517)                645741.01   4200680.37     1459.51237
(14120118)
       645841.01   4200680.37     1670.93840  (17122418)                645941.01   4200680.37     1173.56216
(17122517)
       646041.01   4200680.37      761.13574  (17011307)                646141.01   4200680.37      460.14716
(17121518)
       646241.01   4200680.37      338.05612  (17021401)                646341.01   4200680.37      269.10769
(17021401)
       646441.01   4200680.37      229.14853  (17021401)                646541.01   4200680.37      194.15180
(17012603)
       646641.01   4200680.37      168.47213  (17012603)                646741.01   4200680.37      144.46880
(17012603)
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646841.01	4200680.37	127.87262	(17021219)	646941.01	4200680.37	115.45421	(17021219)
647041.01	4200680.37	104.49261	(17021219)	647141.01	4200680.37	94.86731	(17021219)
647241.01	4200680.37	86.42405	(17021219)	647341.01	4200680.37	79.00800	(17021219)
644341.01	4200780.37	99.58384	(17123022)	644441.01	4200780.37	108.94977	(17123022)
644541.01	4200780.37	119.90778	(17123022)	644641.01	4200780.37	132.83532	(17123022)
644741.01	4200780.37	148.31188	(17123022)	644841.01	4200780.37	167.11020	(17123022)
644941.01	4200780.37	190.35815	(17123022)	645041.01	4200780.37	219.84076	(17123022)
645141.01	4200780.37	258.09407	(17012824)	645241.01	4200780.37	310.50770	(17122404)
645341.01	4200780.37	384.05677	(17122404)	645441.01	4200780.37	496.54522	(17122404)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645541.01	4200780.37	686.79820	(17122404)	645641.01	4200780.37	1130.01514	(17122603)
645741.01	4200780.37	1698.01562	(17021006)	646041.01	4200780.37	799.18405	(17121522)
646141.01	4200780.37	538.55713	(17021219)	646241.01	4200780.37	460.60629	(17121522)
646341.01	4200780.37	388.42582	(17021219)	646441.01	4200780.37	288.51587	(17021219)
646541.01	4200780.37	228.28676	(17021219)	646641.01	4200780.37	187.05867	(17021219)
646741.01	4200780.37	158.07940	(17011720)	646841.01	4200780.37	136.82406	(17011720)
646941.01	4200780.37	120.04567	(17011720)	647041.01	4200780.37	106.50100	(17011720)
647141.01	4200780.37	95.36642	(17011720)	647241.01	4200780.37	86.07360	(17011720)
647341.01	4200780.37	78.21768	(17011720)	644341.01	4200880.37	101.38820	(17122119)

644441.01 4200880.37 110.52682 (17013108) 644541.01 4200880.37 121.63698 (17013108)
644641.01 4200880.37 134.67315 (17013108) 644741.01 4200880.37 149.90029 (17013108)
644841.01 4200880.37 167.99226 (17013108) 644941.01 4200880.37 189.86574 (17012801)
645041.01 4200880.37 217.77700 (17012801) 645141.01 4200880.37 253.51166 (17011619)
645241.01 4200880.37 300.47638 (17011619) 645341.01 4200880.37 370.00462 (17021502)
645441.01 4200880.37 468.00518 (17010624) 645541.01 4200880.37 624.46079 (17121720)
645641.01 4200880.37 888.21555 (17120518) 645741.01 4200880.37 1413.42274 (17043004)
645841.01 4200880.37 2002.82998 (17010609) 645941.01 4200880.37 1495.32901 (17123020)
646041.01 4200880.37 896.43759 (15021222) 646141.01 4200880.37 737.52938 (13121417)
646241.01 4200880.37 563.28665 (14120819) 646341.01 4200880.37 384.38068 (14120820)
646441.01 4200880.37 291.76199 (14120622) 646541.01 4200880.37 232.90484 (14120622)
646641.01 4200880.37 190.80908 (14120622) 646741.01 4200880.37 160.92789 (13012418)
646841.01 4200880.37 138.18487 (13012418) 646941.01 4200880.37 120.53406 (16022422)
647041.01 4200880.37 106.88626 (16022422) 647141.01 4200880.37 95.66276 (16022422)
647241.01 4200880.37 86.29162 (16022422) 647341.01 4200880.37 78.36561 (16022422)
644341.01 4200980.37 99.70909 (17011619) 644441.01 4200980.37 108.32870 (17021502)
644541.01 4200980.37 119.18505 (17021502) 644641.01 4200980.37 131.24056 (17021502)
644741.01 4200980.37 144.67672 (17021502) 644841.01 4200980.37 161.20630 (17010624)
644941.01 4200980.37 181.05913 (17010624) 645041.01 4200980.37 204.59763 (17121720)
645141.01 4200980.37 237.25578 (17121720) 645241.01 4200980.37 281.96810 (17011123)
645341.01 4200980.37 337.74848 (17020508) 645441.01 4200980.37 415.01014 (17122118)
645541.01 4200980.37 516.62978 (17020721) 645641.01 4200980.37 543.72784 (17120924)

645741.01 4200980.37 829.90970 (17121506) 645841.01 4200980.37 1089.96408 (17021222)
645941.01 4200980.37 1119.36120 (17011608) 646041.01 4200980.37 845.62288 (17122308)
646141.01 4200980.37 576.78283 (17122322) 646241.01 4200980.37 408.56209 (16011522)
646341.01 4200980.37 322.73571 (14010219) 646441.01 4200980.37 262.55058 (15120623)
646541.01 4200980.37 218.51959 (14011919) 646641.01 4200980.37 184.81080 (14011919)
646741.01 4200980.37 159.00704 (16012718) 646841.01 4200980.37 137.96495 (14120819)
646941.01 4200980.37 121.46439 (14120820) 647041.01 4200980.37 107.35866 (14120820)
647141.01 4200980.37 95.98370 (15021223) 647241.01 4200980.37 86.68178 (14120622)
647341.01 4200980.37 79.22355 (14120622) 644341.01 4201080.37 97.25850 (17120103)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644441.01	4201080.37	104.95470	(17011524)	644541.01	4201080.37	113.79274	(17011524)
644641.01	4201080.37	125.57369	(17121720)	644741.01	4201080.37	138.77307	(17012402)
644841.01	4201080.37	155.39241	(17011123)	644941.01	4201080.37	174.07873	(17011123)
645041.01	4201080.37	196.37801	(17020508)	645141.01	4201080.37	219.31549	(17121121)
645241.01	4201080.37	256.11563	(17122118)	645341.01	4201080.37	298.68658	(17020721)
645441.01	4201080.37	312.68279	(17011108)	645541.01	4201080.37	332.78228	(17020405)
645641.01	4201080.37	418.84130	(17122217)	645741.01	4201080.37	548.99851	(17020407)
645841.01	4201080.37	635.76425	(17021222)	645941.01	4201080.37	650.66888	(17120204)
646041.01	4201080.37	604.65405	(17120123)	646141.01	4201080.37	460.57397	(17011918)

646241.01	4201080.37	382.11234	(17122322)	646341.01	4201080.37	290.21917	(17122322)
646441.01	4201080.37	237.11030	(14012520)	646541.01	4201080.37	202.79716	(14021424)
646641.01	4201080.37	173.65708	(15010620)	646741.01	4201080.37	150.41876	(15120623)
646841.01	4201080.37	131.13850	(16010202)	646941.01	4201080.37	117.00188	(14022323)
647041.01	4201080.37	105.14583	(14011919)	647141.01	4201080.37	94.50379	(16012718)
647241.01	4201080.37	86.12097	(16012718)	647341.01	4201080.37	78.30647	(14120819)
644341.01	4201180.37	94.70966	(17012402)	644441.01	4201180.37	102.81312	(17011123)
644541.01	4201180.37	112.85266	(17011123)	644641.01	4201180.37	122.47898	(17020508)
644741.01	4201180.37	134.60229	(17020508)	644841.01	4201180.37	144.11401	(17020508)
644941.01	4201180.37	162.79068	(17122118)	645041.01	4201180.37	182.42136	(17020721)
645141.01	4201180.37	204.85044	(17020721)	645241.01	4201180.37	214.42423	(17011108)
645341.01	4201180.37	205.66395	(17011108)	645441.01	4201180.37	233.33362	(17020405)
645541.01	4201180.37	270.55544	(17120224)	645641.01	4201180.37	342.24052	(17021423)
645741.01	4201180.37	393.71776	(17121417)	645841.01	4201180.37	418.50878	(17021222)
645941.01	4201180.37	448.61963	(17021304)	646041.01	4201180.37	424.37124	(17121820)
646141.01	4201180.37	359.20426	(17012707)	646241.01	4201180.37	315.75225	(17011918)
646341.01	4201180.37	270.85973	(17012922)	646441.01	4201180.37	234.96805	(17122322)
646541.01	4201180.37	186.04101	(14021323)	646641.01	4201180.37	161.78813	(14012520)
646741.01	4201180.37	143.76075	(16011522)	646841.01	4201180.37	127.58068	(14021424)
646941.01	4201180.37	113.22920	(15010620)	647041.01	4201180.37	101.04169	(15120623)
647141.01	4201180.37	91.30190	(16010222)	647241.01	4201180.37	82.99341	(16010202)
647341.01	4201180.37	76.12945	(14022323)	644341.01	4201280.37	93.01348	(17020508)

644441.01 4201280.37 100.21246 (17020508) 644541.01 4201280.37 105.79139 (17020508)
644641.01 4201280.37 115.66964 (17121121) 644741.01 4201280.37 127.55804 (17122118)
644841.01 4201280.37 140.46641 (17020721) 644941.01 4201280.37 153.39891 (17020721)
645041.01 4201280.37 158.81992 (17011108) 645141.01 4201280.37 160.16813 (17011108)
645241.01 4201280.37 155.07517 (17120924) 645341.01 4201280.37 177.16916 (17020405)
645441.01 4201280.37 198.53979 (17120222) 645541.01 4201280.37 234.46048 (17121506)
645641.01 4201280.37 268.57933 (17122723) 645741.01 4201280.37 297.93271 (17121417)
645841.01 4201280.37 316.89717 (17021222) 645941.01 4201280.37 337.79648 (17122822)
646041.01 4201280.37 301.57096 (17120204) 646141.01 4201280.37 296.72682 (17120123)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646241.01	4201280.37	261.40295	(17022507)	646341.01	4201280.37	235.42795	(17011918)
646441.01	4201280.37	210.29837	(17012922)	646541.01	4201280.37	185.88127	(17122322)
646641.01	4201280.37	162.56860	(17122322)	646741.01	4201280.37	134.93295	(14021323)
646841.01	4201280.37	120.39288	(14012520)	646941.01	4201280.37	109.31880	(16011522)
647041.01	4201280.37	99.63865	(14021424)	647141.01	4201280.37	91.13131	(14021424)
647241.01	4201280.37	83.23487	(15010620)	647341.01	4201280.37	75.98532	(15120623)
644341.01	4201380.37	87.61393	(17120521)	644441.01	4201380.37	95.54468	(17122118)
644541.01	4201380.37	103.18556	(17122118)	644641.01	4201380.37	112.96204	(17020721)
644741.01	4201380.37	121.27947	(17020721)	644841.01	4201380.37	124.33430	(17011108)

644941.01 4201380.37 127.96791 (17011108) 645041.01 4201380.37 120.08414 (17011108)
645141.01 4201380.37 124.65452 (17120620) 645241.01 4201380.37 141.39127 (17020405)
645341.01 4201380.37 155.94525 (17120222) 645441.01 4201380.37 170.07750 (17122217)
645541.01 4201380.37 204.10712 (17122723) 645641.01 4201380.37 225.52465 (17020407)
645741.01 4201380.37 226.53516 (17121417) 645841.01 4201380.37 246.77378 (17021222)
645941.01 4201380.37 265.96297 (17122703) 646041.01 4201380.37 249.36747 (17021304)
646141.01 4201380.37 241.59650 (17121820) 646241.01 4201380.37 228.00429 (17120123)
646341.01 4201380.37 203.83635 (17022507) 646441.01 4201380.37 189.57203 (17011918)
646541.01 4201380.37 170.97877 (17012922) 646641.01 4201380.37 152.19132 (17013119)
646741.01 4201380.37 141.70652 (17122322) 646841.01 4201380.37 121.44872 (17122322)
646941.01 4201380.37 105.43307 (16121402) 647041.01 4201380.37 95.49512 (14012520)
647141.01 4201380.37 87.93334 (16022321) 647241.01 4201380.37 81.05307 (16011522)
647341.01 4201380.37 74.80314 (14021424) 644341.01 4201480.37 85.53636 (17122118)
644441.01 4201480.37 93.56896 (17020721) 644541.01 4201480.37 99.28369 (17020721)
644641.01 4201480.37 100.91411 (17011108) 644741.01 4201480.37 105.00161 (17011108)
644841.01 4201480.37 101.84876 (17011108) 644941.01 4201480.37 97.00199 (17120924)
645041.01 4201480.37 104.21182 (17120620) 645141.01 4201480.37 116.82872 (17020405)
645241.01 4201480.37 127.27871 (17120222) 645341.01 4201480.37 137.46284 (17122217)
645441.01 4201480.37 158.56403 (17121506) 645541.01 4201480.37 173.87857 (17122723)
645641.01 4201480.37 184.58575 (17121417) 645741.01 4201480.37 186.37987 (17012906)
645841.01 4201480.37 200.31792 (17021222) 645941.01 4201480.37 219.69296 (17120719)
646041.01 4201480.37 216.80520 (17021304) 646141.01 4201480.37 194.22378 (17121905)

646241.01 4201480.37 193.27823 (17121820) 646341.01 4201480.37 180.65191 (17012707)
646441.01 4201480.37 166.15561 (17022507) 646541.01 4201480.37 155.38479 (17011918)
646641.01 4201480.37 138.85000 (17012922) 646741.01 4201480.37 128.81634 (17012922)
646841.01 4201480.37 118.52007 (17013119) 646941.01 4201480.37 108.48547 (17122322)
647041.01 4201480.37 92.15688 (17122322) 647141.01 4201480.37 83.47117 (16121402)
647241.01 4201480.37 76.39354 (14012520) 647341.01 4201480.37 71.29073 (16022321)
644341.01 4201580.37 83.39336 (17020721) 644441.01 4201580.37 84.32238 (17020721)
644541.01 4201580.37 88.02842 (17011108) 644641.01 4201580.37 87.15008 (17011108)
644741.01 4201580.37 80.62031 (17011108) 644841.01 4201580.37 83.75403 (17120924)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
644941.01	4201580.37	89.37015	(17120221)	645041.01	4201580.37	98.96795	(17020405)
645141.01	4201580.37	106.77653	(17120222)	645241.01	4201580.37	113.29503	(17122217)
645341.01	4201580.37	125.38401	(17121506)	645441.01	4201580.37	142.31973	(17122723)
645541.01	4201580.37	152.25765	(17020407)	645641.01	4201580.37	161.43316	(17121417)
645741.01	4201580.37	157.12892	(17012906)	645841.01	4201580.37	166.90599	(17021222)
645941.01	4201580.37	184.48387	(17120719)	646041.01	4201580.37	184.55724	(17122822)
646141.01	4201580.37	163.89444	(17120204)	646241.01	4201580.37	163.43526	(17121820)
646341.01	4201580.37	158.40919	(17120123)	646441.01	4201580.37	147.39017	(17012707)
646541.01	4201580.37	137.70981	(17022507)	646641.01	4201580.37	128.43529	(17011918)

646741.01	4201580.37	113.78128	(17012922)	646841.01	4201580.37	111.05964	(17012922)
646941.01	4201580.37	100.93896	(17013119)	647041.01	4201580.37	94.29608	(17122322)
647141.01	4201580.37	84.70358	(17122322)	647241.01	4201580.37	73.59391	(14021323)
647341.01	4201580.37	68.61504	(16121402)	644341.01	4201680.37	75.12701	(17011108)
644441.01	4201680.37	75.41982	(17011108)	644541.01	4201680.37	71.61359	(17011108)
644641.01	4201680.37	68.19305	(17120924)	644741.01	4201680.37	72.82821	(17120924)
644841.01	4201680.37	78.18206	(17120221)	644941.01	4201680.37	85.43380	(17020405)
645041.01	4201680.37	91.43303	(17120222)	645141.01	4201680.37	95.39049	(17120101)
645241.01	4201680.37	101.51959	(17011124)	645341.01	4201680.37	116.91732	(17121506)
645441.01	4201680.37	126.29603	(17122723)	645541.01	4201680.37	136.08522	(17020407)
645641.01	4201680.37	139.55345	(17121417)	645741.01	4201680.37	134.33147	(17012906)
645841.01	4201680.37	142.03885	(17021222)	645941.01	4201680.37	160.03260	(17120719)
646041.01	4201680.37	155.00823	(17122822)	646141.01	4201680.37	142.90122	(17021304)
646241.01	4201680.37	139.56264	(17121905)	646341.01	4201680.37	140.08726	(17121820)
646441.01	4201680.37	135.00710	(17120123)	646541.01	4201680.37	122.60015	(17012707)
646641.01	4201680.37	115.76835	(17022507)	646741.01	4201680.37	108.56342	(17011918)
646841.01	4201680.37	97.01460	(17123004)	646941.01	4201680.37	95.02166	(17012922)
647041.01	4201680.37	86.68248	(17012922)	647141.01	4201680.37	82.76313	(17013119)
647241.01	4201680.37	77.27660	(17122322)	647341.01	4201680.37	68.59560	(17122322)
644341.01	4201780.37	63.82423	(17011108)	644441.01	4201780.37	58.50889	(17011108)
644541.01	4201780.37	61.19893	(17120924)	644641.01	4201780.37	64.59015	(17120620)
644741.01	4201780.37	69.16084	(17120221)	644841.01	4201780.37	74.80094	(17020405)

644941.01 4201780.37 79.55464 (17120222) 645041.01 4201780.37 82.39246 (17120101)
645141.01 4201780.37 88.04407 (17122217) 645241.01 4201780.37 98.64881 (17121506)
645341.01 4201780.37 109.21948 (17122723) 645441.01 4201780.37 112.81217 (17020407)
645541.01 4201780.37 117.62562 (17020407) 645641.01 4201780.37 123.08342 (17121417)
645741.01 4201780.37 119.05969 (17012906) 645841.01 4201780.37 122.37328 (17021222)
645941.01 4201780.37 136.42643 (17021222) 646041.01 4201780.37 133.98679 (17122703)
646141.01 4201780.37 131.68482 (17021304) 646241.01 4201780.37 120.65314 (17120204)
646341.01 4201780.37 121.33347 (17121905) 646441.01 4201780.37 116.85773 (17121820)
646541.01 4201780.37 112.85936 (17120123) 646641.01 4201780.37 101.34357 (17012707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
646741.01	4201780.37	98.43707	(17121323)	646841.01	4201780.37	93.67880	(17011918)
646941.01	4201780.37	85.00034	(17123004)	647041.01	4201780.37	82.67470	(17012922)
647141.01	4201780.37	78.07827	(17012922)	647241.01	4201780.37	72.95023	(17013119)
647341.01	4201780.37	69.61419	(17122322)	644341.01	4201880.37	51.21754	(17120924)
644441.01	4201880.37	55.03061	(17120924)	644541.01	4201880.37	57.78905	(17120620)
644641.01	4201880.37	61.72395	(17120221)	644741.01	4201880.37	66.29005	(17020405)
644841.01	4201880.37	70.11370	(17120222)	644941.01	4201880.37	71.89488	(17120101)
645041.01	4201880.37	78.26113	(17122217)	645141.01	4201880.37	83.42280	(17121506)
645241.01	4201880.37	93.07769	(17121506)	645341.01	4201880.37	100.43623	(17122723)

645441.01 4201880.37 102.54207 (17020407) 645541.01 4201880.37 105.31532 (17121417)
645641.01 4201880.37 102.99157 (17121417) 645741.01 4201880.37 103.84206 (17020906)
645841.01 4201880.37 107.06105 (17021222) 645941.01 4201880.37 121.29853 (17021222)
646041.01 4201880.37 117.94822 (17122703) 646141.01 4201880.37 121.83324 (17021304)
646241.01 4201880.37 110.32217 (17120204) 646341.01 4201880.37 107.28347 (17121905)
646441.01 4201880.37 110.73596 (17121820) 646541.01 4201880.37 101.52251 (17120123)
646641.01 4201880.37 96.95157 (17012707) 646741.01 4201880.37 88.50727 (17022507)
646841.01 4201880.37 86.44559 (17121323) 646941.01 4201880.37 82.37237 (17011918)
647041.01 4201880.37 75.66915 (17123004) 647141.01 4201880.37 72.57779 (17012922)
647241.01 4201880.37 70.28595 (17012922) 647341.01 4201880.37 64.20613 (17013119)
644341.01 4201980.37 49.60654 (17120924) 644441.01 4201980.37 52.00627 (17010204)
644541.01 4201980.37 55.53127 (17120221) 644641.01 4201980.37 59.30225 (17020405)
644741.01 4201980.37 63.13149 (17120222) 644841.01 4201980.37 65.03320 (17120222)
644941.01 4201980.37 69.97858 (17122217) 645041.01 4201980.37 71.91611 (17011124)
645141.01 4201980.37 79.62427 (17121506) 645241.01 4201980.37 85.21081 (17122723)
645341.01 4201980.37 85.55521 (17122723) 645441.01 4201980.37 92.08778 (17020407)
645541.01 4201980.37 96.20860 (17121417) 645641.01 4201980.37 91.85843 (17012906)
645741.01 4201980.37 96.39150 (17020906) 645841.01 4201980.37 96.92127 (17021222)
645941.01 4201980.37 108.93644 (17021222) 646041.01 4201980.37 108.00384 (17011706)
646141.01 4201980.37 108.02042 (17122822) 646241.01 4201980.37 100.87619 (17021304)
646341.01 4201980.37 95.99889 (17120204) 646441.01 4201980.37 97.25681 (17121905)
646541.01 4201980.37 94.85779 (17121820) 646641.01 4201980.37 90.72526 (17120123)

646741.01	4201980.37	85.39762	(17012707)	646841.01	4201980.37	79.10514	(17022507)
646941.01	4201980.37	76.92050	(17121323)	647041.01	4201980.37	73.39184	(17011918)
647141.01	4201980.37	68.04022	(17123004)	647241.01	4201980.37	64.17158	(17012922)
647341.01	4201980.37	63.46535	(17012922)	644341.01	4202080.37	47.27451	(17010204)
644441.01	4202080.37	50.28563	(17120221)	644541.01	4202080.37	54.29028	(17020405)
644641.01	4202080.37	57.02684	(17120222)	644741.01	4202080.37	58.73773	(17120222)
644841.01	4202080.37	61.24606	(17122217)	644941.01	4202080.37	62.95323	(17011124)
645041.01	4202080.37	68.68800	(17121506)	645141.01	4202080.37	73.39166	(17121506)
645241.01	4202080.37	78.88110	(17122723)	645341.01	4202080.37	80.94575	(17020407)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
645441.01	4202080.37	81.76868	(17020407)	645541.01	4202080.37	90.97549	(17121417)
645641.01	4202080.37	87.17540	(17012906)	645741.01	4202080.37	87.89338	(17020906)
645841.01	4202080.37	86.48340	(17021222)	645941.01	4202080.37	98.16952	(17021222)
646041.01	4202080.37	98.44158	(17120719)	646141.01	4202080.37	98.25233	(17122822)
646241.01	4202080.37	95.41264	(17021304)	646341.01	4202080.37	88.57020	(17120204)
646441.01	4202080.37	87.94575	(17121905)	646541.01	4202080.37	88.45547	(17121820)
646641.01	4202080.37	82.83170	(17011707)	646741.01	4202080.37	80.88594	(17120123)
646841.01	4202080.37	75.39294	(17012707)	646941.01	4202080.37	71.10643	(17022507)
647041.01	4202080.37	68.91999	(17121323)	647141.01	4202080.37	65.83464	(17011918)

647241.01 4202080.37 61.59157 (17011918) 647341.01 4202080.37 57.04358 (17012922)
644341.01 4202180.37 46.82651 (17021223) 644441.01 4202180.37 49.94210 (17020405)
644541.01 4202180.37 51.62677 (17120222) 644641.01 4202180.37 52.14232 (17120222)
644741.01 4202180.37 54.21421 (17120101) 644841.01 4202180.37 56.85099 (17122217)
644941.01 4202180.37 58.95873 (17121506) 645041.01 4202180.37 66.03822 (17121506)
645141.01 4202180.37 70.15585 (17122723) 645241.01 4202180.37 71.10851 (17122723)
645341.01 4202180.37 78.61432 (17020407) 645441.01 4202180.37 78.75179 (17121417)
645541.01 4202180.37 83.98399 (17121417) 645641.01 4202180.37 81.04632 (17012906)
645741.01 4202180.37 80.50989 (17020906) 645841.01 4202180.37 77.84172 (17021222)
645941.01 4202180.37 91.35027 (17021222) 646041.01 4202180.37 90.79469 (17120719)
646141.01 4202180.37 88.65361 (17122703) 646241.01 4202180.37 88.93988 (17021304)
646341.01 4202180.37 78.10849 (17120204) 646441.01 4202180.37 75.22012 (17120204)
646541.01 4202180.37 78.33757 (17121905) 646641.01 4202180.37 77.88856 (17121820)
646741.01 4202180.37 75.05315 (17011707) 646841.01 4202180.37 73.29036 (17120123)
646941.01 4202180.37 67.73358 (17012707) 647041.01 4202180.37 64.29680 (17022507)
647141.01 4202180.37 62.24115 (17121323) 647241.01 4202180.37 59.50989 (17011918)
647341.01 4202180.37 56.10491 (17011918) 644341.01 4202280.37 44.39397 (17020405)
644441.01 4202280.37 46.18617 (17022120) 644541.01 4202280.37 47.55233 (17120222)
644641.01 4202280.37 49.16956 (17120101) 644741.01 4202280.37 51.64846 (17122217)
644841.01 4202280.37 53.05491 (17011124) 644941.01 4202280.37 58.63896 (17121506)
645041.01 4202280.37 61.16523 (17021423) 645141.01 4202280.37 65.70602 (17122723)
645241.01 4202280.37 70.73313 (17020407) 645341.01 4202280.37 75.77632 (17020407)

645441.01	4202280.37	77.76391	(17121417)	645541.01	4202280.37	77.10378	(17121417)
645641.01	4202280.37	75.44443	(17012906)	645741.01	4202280.37	75.80400	(17020906)
645841.01	4202280.37	73.74982	(17122408)	645941.01	4202280.37	85.75150	(17021222)
646041.01	4202280.37	84.22600	(17120719)	646141.01	4202280.37	80.53794	(17122703)
646241.01	4202280.37	79.30314	(17021304)	646341.01	4202280.37	73.68126	(17021304)
646441.01	4202280.37	70.74064	(17120204)	646541.01	4202280.37	71.21841	(17121905)
646641.01	4202280.37	71.19591	(17121820)	646741.01	4202280.37	69.74115	(17121820)
646841.01	4202280.37	67.83159	(17120123)	646941.01	4202280.37	64.11841	(17012707)
647041.01	4202280.37	59.47687	(17012707)	647141.01	4202280.37	58.49381	(17022507)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STACK01 , STACK02 , L0002411 , L0002412 , L0002413 ,
L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 , L0002421 ,
L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 , L0002429 ,
L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
647241.01	4202280.37	56.59126	(17121323)	647341.01	4202280.37	54.15066	(17011918)
645946.01	4200731.54	1440.97258	(17123017)	645933.67	4200896.54	1493.50723	(17022408)
645889.89	4200889.80	1805.48691	(17011608)	645847.24	4200866.23	2299.79375	(17010609)
645697.97	4200718.07	1275.53189	(17120517)	645704.70	4200712.46	1312.49170	(17122406)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	GRID-ID
SLINE1	1ST HIGHEST VALUE IS	78.58270	AT (	645741.01,	4200680.37,	1.52,	1.52,	0.00)	DC	
	2ND HIGHEST VALUE IS	67.91141	AT (	645641.01,	4200680.37,	1.55,	1.55,	0.00)	DC	
	3RD HIGHEST VALUE IS	64.71563	AT (	646041.01,	4200880.37,	2.39,	2.39,	0.00)	DC	
	4TH HIGHEST VALUE IS	63.19826	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	60.21099	AT (	645697.97,	4200718.07,	1.74,	1.74,	0.00)	DC	
	6TH HIGHEST VALUE IS	60.03440	AT (	645704.70,	4200712.46,	1.66,	1.66,	0.00)	DC	
	7TH HIGHEST VALUE IS	55.81047	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	8TH HIGHEST VALUE IS	52.91532	AT (	646141.01,	4200880.37,	1.52,	1.52,	0.00)	DC	
	9TH HIGHEST VALUE IS	45.18141	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	43.12765	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
SLINE2	1ST HIGHEST VALUE IS	77.04420	AT (	645641.01,	4200680.37,	1.55,	1.55,	0.00)	DC	
	2ND HIGHEST VALUE IS	75.61761	AT (	645741.01,	4200680.37,	1.52,	1.52,	0.00)	DC	
	3RD HIGHEST VALUE IS	74.11875	AT (	646041.01,	4200880.37,	2.39,	2.39,	0.00)	DC	
	4TH HIGHEST VALUE IS	73.14022	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	70.35805	AT (	645704.70,	4200712.46,	1.66,	1.66,	0.00)	DC	
	6TH HIGHEST VALUE IS	70.05862	AT (	645697.97,	4200718.07,	1.74,	1.74,	0.00)	DC	
	7TH HIGHEST VALUE IS	63.71711	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	8TH HIGHEST VALUE IS	52.04447	AT (	646241.01,	4200780.37,	1.37,	1.37,	0.00)	DC	
	9TH HIGHEST VALUE IS	51.36708	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	47.71732	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
SLINE3	1ST HIGHEST VALUE IS	87.59558	AT (	645946.01,	4200731.54,	1.83,	1.83,	0.00)	DC	
	2ND HIGHEST VALUE IS	75.65442	AT (	645939.20,	4200707.16,	1.83,	1.83,	0.00)	DC	
	3RD HIGHEST VALUE IS	54.36106	AT (	645941.01,	4200680.37,	1.57,	1.57,	0.00)	DC	

	4TH HIGHEST VALUE IS	53.97439	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC
	5TH HIGHEST VALUE IS	46.56542	AT (	645841.01,	4200680.37,	1.52,	1.52,	0.00)	DC
	6TH HIGHEST VALUE IS	43.95299	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC
	7TH HIGHEST VALUE IS	41.88388	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC
	8TH HIGHEST VALUE IS	32.33219	AT (	645741.01,	4200880.37,	1.81,	1.81,	0.00)	DC
	9TH HIGHEST VALUE IS	28.89371	AT (	646041.01,	4200780.37,	1.83,	1.83,	0.00)	DC
	10TH HIGHEST VALUE IS	28.45788	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC
STACK01	1ST HIGHEST VALUE IS	53.94726	AT (	645946.01,	4200731.54,	1.83,	1.83,	0.00)	DC
	2ND HIGHEST VALUE IS	43.24540	AT (	645939.20,	4200707.16,	1.83,	1.83,	0.00)	DC
	3RD HIGHEST VALUE IS	32.09670	AT (	645941.01,	4200680.37,	1.57,	1.57,	0.00)	DC
	4TH HIGHEST VALUE IS	31.08071	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC
	5TH HIGHEST VALUE IS	28.46453	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC
	6TH HIGHEST VALUE IS	27.76464	AT (	645741.01,	4200880.37,	1.81,	1.81,	0.00)	DC
	7TH HIGHEST VALUE IS	27.62389	AT (	646041.01,	4200780.37,	1.83,	1.83,	0.00)	DC
	8TH HIGHEST VALUE IS	24.71001	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC
	9TH HIGHEST VALUE IS	24.57234	AT (	645941.01,	4200880.37,	2.28,	2.28,	0.00)	DC
	10TH HIGHEST VALUE IS	23.98994	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	GRID-ID
STACK02	1ST HIGHEST VALUE IS	50.41780	AT (	645946.01,	4200731.54,	1.83,	1.83,	0.00)	DC	
	2ND HIGHEST VALUE IS	39.04805	AT (	645939.20,	4200707.16,	1.83,	1.83,	0.00)	DC	
	3RD HIGHEST VALUE IS	32.81245	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	4TH HIGHEST VALUE IS	29.36035	AT (	646041.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	29.16043	AT (	645941.01,	4200880.37,	2.28,	2.28,	0.00)	DC	
	6TH HIGHEST VALUE IS	28.90190	AT (	645941.01,	4200680.37,	1.57,	1.57,	0.00)	DC	
	7TH HIGHEST VALUE IS	27.77393	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
	8TH HIGHEST VALUE IS	27.04907	AT (	645741.01,	4200880.37,	1.81,	1.81,	0.00)	DC	
	9TH HIGHEST VALUE IS	23.47551	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	10TH HIGHEST VALUE IS	23.29405	AT (	645933.67,	4200896.54,	2.31,	2.31,	0.00)	DC	
ALL	1ST HIGHEST VALUE IS	230.85247	AT (	645946.01,	4200731.54,	1.83,	1.83,	0.00)	DC	
	2ND HIGHEST VALUE IS	225.66233	AT (	645741.01,	4200780.37,	1.83,	1.83,	0.00)	DC	
	3RD HIGHEST VALUE IS	225.30463	AT (	645841.01,	4200880.37,	1.89,	1.89,	0.00)	DC	
	4TH HIGHEST VALUE IS	202.46293	AT (	645847.24,	4200866.23,	1.88,	1.88,	0.00)	DC	
	5TH HIGHEST VALUE IS	199.59187	AT (	645741.01,	4200680.37,	1.52,	1.52,	0.00)	DC	
	6TH HIGHEST VALUE IS	195.90995	AT (	645939.20,	4200707.16,	1.83,	1.83,	0.00)	DC	
	7TH HIGHEST VALUE IS	188.06246	AT (	646041.01,	4200880.37,	2.39,	2.39,	0.00)	DC	
	8TH HIGHEST VALUE IS	172.45504	AT (	645704.70,	4200712.46,	1.66,	1.66,	0.00)	DC	
	9TH HIGHEST VALUE IS	171.78680	AT (	645889.89,	4200889.80,	2.13,	2.13,	0.00)	DC	
	10TH HIGHEST VALUE IS	171.57766	AT (	645697.97,	4200718.07,	1.74,	1.74,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR

DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF TOXICS IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
SLINE1	1ST HIGH VALUE IS 246.25867	ON 15022608:	AT (645741.01, 4200680.37, 1.52, 1.52, 0.00) DC
SLINE2	1ST HIGH VALUE IS 267.98848	ON 15021917:	AT (646041.01, 4200880.37, 2.39, 2.39, 0.00) DC
SLINE3	1ST HIGH VALUE IS 1094.45336	ON 17041107:	AT (645847.24, 4200866.23, 1.88, 1.88, 0.00) DC
STACK01	1ST HIGH VALUE IS 771.49900	ON 17010609:	AT (645847.24, 4200866.23, 1.88, 1.88, 0.00) DC
STACK02	1ST HIGH VALUE IS 664.71088	ON 17030308:	AT (645847.24, 4200866.23, 1.88, 1.88, 0.00) DC
ALL	1ST HIGH VALUE IS 2299.79375	ON 17010609:	AT (645847.24, 4200866.23, 1.88, 1.88, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 11 Warning Message(s)
A Total of 971 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 442 Calm Hours Identified

A Total of 529 Missing Hours Identified (1.21 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 706 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 706 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W420 34276 METQA: Wind Speed Out-of-Range. KURDAT = 16112904
MX W420 34282 METQA: Wind Speed Out-of-Range. KURDAT = 16112910
MX W420 34288 METQA: Wind Speed Out-of-Range. KURDAT = 16112916
MX W420 34294 METQA: Wind Speed Out-of-Range. KURDAT = 16112922
MX W420 34300 METQA: Wind Speed Out-of-Range. KURDAT = 16113004
MX W420 40768 METQA: Wind Speed Out-of-Range. KURDAT = 17082616
MX W420 40792 METQA: Wind Speed Out-of-Range. KURDAT = 17082716
MX W420 40798 METQA: Wind Speed Out-of-Range. KURDAT = 17082722
MX W420 40804 METQA: Wind Speed Out-of-Range. KURDAT = 17082804

****
*** AERMOD Finishes Successfully ***
****

Appendix C
Health Risk Assessment Files

HARP2 - HRACalc (dated 22118) 12/6/2022 4:01:30 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA STOCKTON\hra\ConstructionResidentialCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA STOCKTON\hra\ConstructionResidentialCancerRiskSumByRec.csv
HRA ran successfully

**HARP - Air Dispersion Modeling and Risk Tool v22118
**12/6/2022
**Exported Risk Results

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INHAL_RIS	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		648148	4201091	5.31E-08	30YrCance	5.31E-08	0	0	0	0	0	0	0	0	0	0	0
2	ALL		646506.5	4202112	3.15E-08	30YrCance	3.15E-08	0	0	0	0	0	0	0	0	0	0	0
3	ALL		645939.2	4200707	1.14E-05	30YrCance	1.14E-05	0	0	0	0	0	0	0	0	0	0	0
4	ALL		644341	4199280	2.65E-08	30YrCance	2.65E-08	0	0	0	0	0	0	0	0	0	0	0
5	ALL		644441	4199280	2.81E-08	30YrCance	2.81E-08	0	0	0	0	0	0	0	0	0	0	0
6	ALL		644541	4199280	2.98E-08	30YrCance	2.98E-08	0	0	0	0	0	0	0	0	0	0	0
7	ALL		644641	4199280	3.20E-08	30YrCance	3.20E-08	0	0	0	0	0	0	0	0	0	0	0
8	ALL		644741	4199280	3.45E-08	30YrCance	3.45E-08	0	0	0	0	0	0	0	0	0	0	0
9	ALL		644841	4199280	3.76E-08	30YrCance	3.76E-08	0	0	0	0	0	0	0	0	0	0	0
10	ALL		644941	4199280	4.11E-08	30YrCance	4.11E-08	0	0	0	0	0	0	0	0	0	0	0
11	ALL		645041	4199280	4.49E-08	30YrCance	4.49E-08	0	0	0	0	0	0	0	0	0	0	0
12	ALL		645141	4199280	4.90E-08	30YrCance	4.90E-08	0	0	0	0	0	0	0	0	0	0	0
13	ALL		645241	4199280	5.30E-08	30YrCance	5.30E-08	0	0	0	0	0	0	0	0	0	0	0
14	ALL		645341	4199280	5.65E-08	30YrCance	5.65E-08	0	0	0	0	0	0	0	0	0	0	0
15	ALL		645441	4199280	5.93E-08	30YrCance	5.93E-08	0	0	0	0	0	0	0	0	0	0	0
16	ALL		645541	4199280	6.10E-08	30YrCance	6.10E-08	0	0	0	0	0	0	0	0	0	0	0
17	ALL		645641	4199280	6.19E-08	30YrCance	6.19E-08	0	0	0	0	0	0	0	0	0	0	0
18	ALL		645741	4199280	6.25E-08	30YrCance	6.25E-08	0	0	0	0	0	0	0	0	0	0	0
19	ALL		645841	4199280	6.35E-08	30YrCance	6.35E-08	0	0	0	0	0	0	0	0	0	0	0
20	ALL		645941	4199280	6.54E-08	30YrCance	6.54E-08	0	0	0	0	0	0	0	0	0	0	0
21	ALL		646041	4199280	6.84E-08	30YrCance	6.84E-08	0	0	0	0	0	0	0	0	0	0	0
22	ALL		646141	4199280	7.19E-08	30YrCance	7.19E-08	0	0	0	0	0	0	0	0	0	0	0
23	ALL		646241	4199280	7.53E-08	30YrCance	7.53E-08	0	0	0	0	0	0	0	0	0	0	0
24	ALL		646341	4199280	7.80E-08	30YrCance	7.80E-08	0	0	0	0	0	0	0	0	0	0	0
25	ALL		646441	4199280	7.97E-08	30YrCance	7.97E-08	0	0	0	0	0	0	0	0	0	0	0
26	ALL		646541	4199280	8.03E-08	30YrCance	8.03E-08	0	0	0	0	0	0	0	0	0	0	0
27	ALL		646641	4199280	8.01E-08	30YrCance	8.01E-08	0	0	0	0	0	0	0	0	0	0	0
28	ALL		646741	4199280	7.93E-08	30YrCance	7.93E-08	0	0	0	0	0	0	0	0	0	0	0
29	ALL		646841	4199280	7.82E-08	30YrCance	7.82E-08	0	0	0	0	0	0	0	0	0	0	0
30	ALL		646941	4199280	7.68E-08	30YrCance	7.68E-08	0	0	0	0	0	0	0	0	0	0	0
31	ALL		647041	4199280	7.54E-08	30YrCance	7.54E-08	0	0	0	0	0	0	0	0	0	0	0
32	ALL		647141	4199280	7.37E-08	30YrCance	7.37E-08	0	0	0	0	0	0	0	0	0	0	0
33	ALL		647241	4199280	7.20E-08	30YrCance	7.20E-08	0	0	0	0	0	0	0	0	0	0	0
34	ALL		647341	4199280	7.01E-08	30YrCance	7.01E-08	0	0	0	0	0	0	0	0	0	0	0
35	ALL		644341	4199380	2.82E-08	30YrCance	2.82E-08	0	0	0	0	0	0	0	0	0	0	0
36	ALL		644441	4199380	2.98E-08	30YrCance	2.98E-08	0	0	0	0	0	0	0	0	0	0	0
37	ALL		644541	4199380	3.16E-08	30YrCance	3.16E-08	0	0	0	0	0	0	0	0	0	0	0
38	ALL		644641	4199380	3.38E-08	30YrCance	3.38E-08	0	0	0	0	0	0	0	0	0	0	0
39	ALL		644741	4199380	3.65E-08	30YrCance	3.65E-08	0	0	0	0	0	0	0	0	0	0	0
40	ALL		644841	4199380	3.97E-08	30YrCance	3.97E-08	0	0	0	0	0	0	0	0	0	0	0
41	ALL		644941	4199380	4.35E-08	30YrCance	4.35E-08	0	0	0	0	0	0	0	0	0	0	0
42	ALL		645041	4199380	4.78E-08	30YrCance	4.78E-08	0	0	0	0	0	0	0	0	0	0	0
43	ALL		645141	4199380	5.26E-08	30YrCance	5.26E-08	0	0	0	0	0	0	0	0	0	0	0
44	ALL		645241	4199380	5.74E-08	30YrCance	5.74E-08	0	0	0	0	0	0	0	0	0	0	0

45	ALL	645341	4199380	6.19E-08	30YrCance	6.19E-08	0	0	0	0	0	0	0	0	0	0	0
46	ALL	645441	4199380	6.55E-08	30YrCance	6.55E-08	0	0	0	0	0	0	0	0	0	0	0
47	ALL	645541	4199380	6.80E-08	30YrCance	6.80E-08	0	0	0	0	0	0	0	0	0	0	0
48	ALL	645641	4199380	6.93E-08	30YrCance	6.93E-08	0	0	0	0	0	0	0	0	0	0	0
49	ALL	645741	4199380	7.02E-08	30YrCance	7.02E-08	0	0	0	0	0	0	0	0	0	0	0
50	ALL	645841	4199380	7.14E-08	30YrCance	7.14E-08	0	0	0	0	0	0	0	0	0	0	0
51	ALL	645941	4199380	7.38E-08	30YrCance	7.38E-08	0	0	0	0	0	0	0	0	0	0	0
52	ALL	646041	4199380	7.74E-08	30YrCance	7.74E-08	0	0	0	0	0	0	0	0	0	0	0
53	ALL	646141	4199380	8.15E-08	30YrCance	8.15E-08	0	0	0	0	0	0	0	0	0	0	0
54	ALL	646241	4199380	8.54E-08	30YrCance	8.54E-08	0	0	0	0	0	0	0	0	0	0	0
55	ALL	646341	4199380	8.82E-08	30YrCance	8.82E-08	0	0	0	0	0	0	0	0	0	0	0
56	ALL	646441	4199380	8.98E-08	30YrCance	8.98E-08	0	0	0	0	0	0	0	0	0	0	0
57	ALL	646541	4199380	9.02E-08	30YrCance	9.02E-08	0	0	0	0	0	0	0	0	0	0	0
58	ALL	646641	4199380	8.96E-08	30YrCance	8.96E-08	0	0	0	0	0	0	0	0	0	0	0
59	ALL	646741	4199380	8.83E-08	30YrCance	8.83E-08	0	0	0	0	0	0	0	0	0	0	0
60	ALL	646841	4199380	8.68E-08	30YrCance	8.68E-08	0	0	0	0	0	0	0	0	0	0	0
61	ALL	646941	4199380	8.50E-08	30YrCance	8.50E-08	0	0	0	0	0	0	0	0	0	0	0
62	ALL	647041	4199380	8.32E-08	30YrCance	8.32E-08	0	0	0	0	0	0	0	0	0	0	0
63	ALL	647141	4199380	8.11E-08	30YrCance	8.11E-08	0	0	0	0	0	0	0	0	0	0	0
64	ALL	647241	4199380	7.87E-08	30YrCance	7.87E-08	0	0	0	0	0	0	0	0	0	0	0
65	ALL	647341	4199380	7.62E-08	30YrCance	7.62E-08	0	0	0	0	0	0	0	0	0	0	0
66	ALL	644341	4199480	3.00E-08	30YrCance	3.00E-08	0	0	0	0	0	0	0	0	0	0	0
67	ALL	644441	4199480	3.17E-08	30YrCance	3.17E-08	0	0	0	0	0	0	0	0	0	0	0
68	ALL	644541	4199480	3.36E-08	30YrCance	3.36E-08	0	0	0	0	0	0	0	0	0	0	0
69	ALL	644641	4199480	3.59E-08	30YrCance	3.59E-08	0	0	0	0	0	0	0	0	0	0	0
70	ALL	644741	4199480	3.87E-08	30YrCance	3.87E-08	0	0	0	0	0	0	0	0	0	0	0
71	ALL	644841	4199480	4.20E-08	30YrCance	4.20E-08	0	0	0	0	0	0	0	0	0	0	0
72	ALL	644941	4199480	4.61E-08	30YrCance	4.61E-08	0	0	0	0	0	0	0	0	0	0	0
73	ALL	645041	4199480	5.10E-08	30YrCance	5.10E-08	0	0	0	0	0	0	0	0	0	0	0
74	ALL	645141	4199480	5.65E-08	30YrCance	5.65E-08	0	0	0	0	0	0	0	0	0	0	0
75	ALL	645241	4199480	6.23E-08	30YrCance	6.23E-08	0	0	0	0	0	0	0	0	0	0	0
76	ALL	645341	4199480	6.79E-08	30YrCance	6.79E-08	0	0	0	0	0	0	0	0	0	0	0
77	ALL	645441	4199480	7.27E-08	30YrCance	7.27E-08	0	0	0	0	0	0	0	0	0	0	0
78	ALL	645541	4199480	7.62E-08	30YrCance	7.62E-08	0	0	0	0	0	0	0	0	0	0	0
79	ALL	645641	4199480	7.82E-08	30YrCance	7.82E-08	0	0	0	0	0	0	0	0	0	0	0
80	ALL	645741	4199480	7.94E-08	30YrCance	7.94E-08	0	0	0	0	0	0	0	0	0	0	0
81	ALL	645841	4199480	8.10E-08	30YrCance	8.10E-08	0	0	0	0	0	0	0	0	0	0	0
82	ALL	645941	4199480	8.40E-08	30YrCance	8.40E-08	0	0	0	0	0	0	0	0	0	0	0
83	ALL	646041	4199480	8.84E-08	30YrCance	8.84E-08	0	0	0	0	0	0	0	0	0	0	0
84	ALL	646141	4199480	9.33E-08	30YrCance	9.33E-08	0	0	0	0	0	0	0	0	0	0	0
85	ALL	646241	4199480	9.77E-08	30YrCance	9.77E-08	0	0	0	0	0	0	0	0	0	0	0
86	ALL	646341	4199480	1.01E-07	30YrCance	1.01E-07	0	0	0	0	0	0	0	0	0	0	0
87	ALL	646441	4199480	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
88	ALL	646541	4199480	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
89	ALL	646641	4199480	1.01E-07	30YrCance	1.01E-07	0	0	0	0	0	0	0	0	0	0	0
90	ALL	646741	4199480	9.91E-08	30YrCance	9.91E-08	0	0	0	0	0	0	0	0	0	0	0
91	ALL	646841	4199480	9.70E-08	30YrCance	9.70E-08	0	0	0	0	0	0	0	0	0	0	0
92	ALL	646941	4199480	9.47E-08	30YrCance	9.47E-08	0	0	0	0	0	0	0	0	0	0	0

93	ALL	647041	4199480	9.21E-08	30YrCance	9.21E-08	0	0	0	0	0	0	0	0	0	0	0
94	ALL	647141	4199480	8.93E-08	30YrCance	8.93E-08	0	0	0	0	0	0	0	0	0	0	0
95	ALL	647241	4199480	8.61E-08	30YrCance	8.61E-08	0	0	0	0	0	0	0	0	0	0	0
96	ALL	647341	4199480	8.28E-08	30YrCance	8.28E-08	0	0	0	0	0	0	0	0	0	0	0
97	ALL	644341	4199580	3.22E-08	30YrCance	3.22E-08	0	0	0	0	0	0	0	0	0	0	0
98	ALL	644441	4199580	3.40E-08	30YrCance	3.40E-08	0	0	0	0	0	0	0	0	0	0	0
99	ALL	644541	4199580	3.60E-08	30YrCance	3.60E-08	0	0	0	0	0	0	0	0	0	0	0
100	ALL	644641	4199580	3.84E-08	30YrCance	3.84E-08	0	0	0	0	0	0	0	0	0	0	0
101	ALL	644741	4199580	4.13E-08	30YrCance	4.13E-08	0	0	0	0	0	0	0	0	0	0	0
102	ALL	644841	4199580	4.48E-08	30YrCance	4.48E-08	0	0	0	0	0	0	0	0	0	0	0
103	ALL	644941	4199580	4.91E-08	30YrCance	4.91E-08	0	0	0	0	0	0	0	0	0	0	0
104	ALL	645041	4199580	5.45E-08	30YrCance	5.45E-08	0	0	0	0	0	0	0	0	0	0	0
105	ALL	645141	4199580	6.07E-08	30YrCance	6.07E-08	0	0	0	0	0	0	0	0	0	0	0
106	ALL	645241	4199580	6.77E-08	30YrCance	6.77E-08	0	0	0	0	0	0	0	0	0	0	0
107	ALL	645341	4199580	7.48E-08	30YrCance	7.48E-08	0	0	0	0	0	0	0	0	0	0	0
108	ALL	645441	4199580	8.11E-08	30YrCance	8.11E-08	0	0	0	0	0	0	0	0	0	0	0
109	ALL	645541	4199580	8.59E-08	30YrCance	8.59E-08	0	0	0	0	0	0	0	0	0	0	0
110	ALL	645641	4199580	8.89E-08	30YrCance	8.89E-08	0	0	0	0	0	0	0	0	0	0	0
111	ALL	645741	4199580	9.07E-08	30YrCance	9.07E-08	0	0	0	0	0	0	0	0	0	0	0
112	ALL	645841	4199580	9.28E-08	30YrCance	9.28E-08	0	0	0	0	0	0	0	0	0	0	0
113	ALL	645941	4199580	9.66E-08	30YrCance	9.66E-08	0	0	0	0	0	0	0	0	0	0	0
114	ALL	646041	4199580	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
115	ALL	646141	4199580	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
116	ALL	646241	4199580	1.13E-07	30YrCance	1.13E-07	0	0	0	0	0	0	0	0	0	0	0
117	ALL	646341	4199580	1.16E-07	30YrCance	1.16E-07	0	0	0	0	0	0	0	0	0	0	0
118	ALL	646441	4199580	1.17E-07	30YrCance	1.17E-07	0	0	0	0	0	0	0	0	0	0	0
119	ALL	646541	4199580	1.16E-07	30YrCance	1.16E-07	0	0	0	0	0	0	0	0	0	0	0
120	ALL	646641	4199580	1.14E-07	30YrCance	1.14E-07	0	0	0	0	0	0	0	0	0	0	0
121	ALL	646741	4199580	1.12E-07	30YrCance	1.12E-07	0	0	0	0	0	0	0	0	0	0	0
122	ALL	646841	4199580	1.09E-07	30YrCance	1.09E-07	0	0	0	0	0	0	0	0	0	0	0
123	ALL	646941	4199580	1.06E-07	30YrCance	1.06E-07	0	0	0	0	0	0	0	0	0	0	0
124	ALL	647041	4199580	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
125	ALL	647141	4199580	9.83E-08	30YrCance	9.83E-08	0	0	0	0	0	0	0	0	0	0	0
126	ALL	647241	4199580	9.41E-08	30YrCance	9.41E-08	0	0	0	0	0	0	0	0	0	0	0
127	ALL	647341	4199580	8.97E-08	30YrCance	8.97E-08	0	0	0	0	0	0	0	0	0	0	0
128	ALL	644341	4199680	3.45E-08	30YrCance	3.45E-08	0	0	0	0	0	0	0	0	0	0	0
129	ALL	644441	4199680	3.66E-08	30YrCance	3.66E-08	0	0	0	0	0	0	0	0	0	0	0
130	ALL	644541	4199680	3.88E-08	30YrCance	3.88E-08	0	0	0	0	0	0	0	0	0	0	0
131	ALL	644641	4199680	4.14E-08	30YrCance	4.14E-08	0	0	0	0	0	0	0	0	0	0	0
132	ALL	644741	4199680	4.44E-08	30YrCance	4.44E-08	0	0	0	0	0	0	0	0	0	0	0
133	ALL	644841	4199680	4.81E-08	30YrCance	4.81E-08	0	0	0	0	0	0	0	0	0	0	0
134	ALL	644941	4199680	5.27E-08	30YrCance	5.27E-08	0	0	0	0	0	0	0	0	0	0	0
135	ALL	645041	4199680	5.84E-08	30YrCance	5.84E-08	0	0	0	0	0	0	0	0	0	0	0
136	ALL	645141	4199680	6.55E-08	30YrCance	6.55E-08	0	0	0	0	0	0	0	0	0	0	0
137	ALL	645241	4199680	7.37E-08	30YrCance	7.37E-08	0	0	0	0	0	0	0	0	0	0	0
138	ALL	645341	4199680	8.25E-08	30YrCance	8.25E-08	0	0	0	0	0	0	0	0	0	0	0
139	ALL	645441	4199680	9.09E-08	30YrCance	9.09E-08	0	0	0	0	0	0	0	0	0	0	0
140	ALL	645541	4199680	9.77E-08	30YrCance	9.77E-08	0	0	0	0	0	0	0	0	0	0	0

141	ALL	645641	4199680	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
142	ALL	645741	4199680	1.05E-07	30YrCance	1.05E-07	0	0	0	0	0	0	0	0	0	0	0
143	ALL	645841	4199680	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
144	ALL	645941	4199680	1.13E-07	30YrCance	1.13E-07	0	0	0	0	0	0	0	0	0	0	0
145	ALL	646041	4199680	1.20E-07	30YrCance	1.20E-07	0	0	0	0	0	0	0	0	0	0	0
146	ALL	646141	4199680	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
147	ALL	646241	4199680	1.32E-07	30YrCance	1.32E-07	0	0	0	0	0	0	0	0	0	0	0
148	ALL	646341	4199680	1.35E-07	30YrCance	1.35E-07	0	0	0	0	0	0	0	0	0	0	0
149	ALL	646441	4199680	1.35E-07	30YrCance	1.35E-07	0	0	0	0	0	0	0	0	0	0	0
150	ALL	646541	4199680	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
151	ALL	646641	4199680	1.31E-07	30YrCance	1.31E-07	0	0	0	0	0	0	0	0	0	0	0
152	ALL	646741	4199680	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
153	ALL	646841	4199680	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
154	ALL	646941	4199680	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
155	ALL	647041	4199680	1.14E-07	30YrCance	1.14E-07	0	0	0	0	0	0	0	0	0	0	0
156	ALL	647141	4199680	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
157	ALL	647241	4199680	1.03E-07	30YrCance	1.03E-07	0	0	0	0	0	0	0	0	0	0	0
158	ALL	647341	4199680	9.68E-08	30YrCance	9.68E-08	0	0	0	0	0	0	0	0	0	0	0
159	ALL	644341	4199780	3.71E-08	30YrCance	3.71E-08	0	0	0	0	0	0	0	0	0	0	0
160	ALL	644441	4199780	3.95E-08	30YrCance	3.95E-08	0	0	0	0	0	0	0	0	0	0	0
161	ALL	644541	4199780	4.21E-08	30YrCance	4.21E-08	0	0	0	0	0	0	0	0	0	0	0
162	ALL	644641	4199780	4.49E-08	30YrCance	4.49E-08	0	0	0	0	0	0	0	0	0	0	0
163	ALL	644741	4199780	4.82E-08	30YrCance	4.82E-08	0	0	0	0	0	0	0	0	0	0	0
164	ALL	644841	4199780	5.21E-08	30YrCance	5.21E-08	0	0	0	0	0	0	0	0	0	0	0
165	ALL	644941	4199780	5.69E-08	30YrCance	5.69E-08	0	0	0	0	0	0	0	0	0	0	0
166	ALL	645041	4199780	6.31E-08	30YrCance	6.31E-08	0	0	0	0	0	0	0	0	0	0	0
167	ALL	645141	4199780	7.08E-08	30YrCance	7.08E-08	0	0	0	0	0	0	0	0	0	0	0
168	ALL	645241	4199780	8.04E-08	30YrCance	8.04E-08	0	0	0	0	0	0	0	0	0	0	0
169	ALL	645341	4199780	9.13E-08	30YrCance	9.13E-08	0	0	0	0	0	0	0	0	0	0	0
170	ALL	645441	4199780	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
171	ALL	645541	4199780	1.12E-07	30YrCance	1.12E-07	0	0	0	0	0	0	0	0	0	0	0
172	ALL	645641	4199780	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
173	ALL	645741	4199780	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
174	ALL	645841	4199780	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
175	ALL	645941	4199780	1.33E-07	30YrCance	1.33E-07	0	0	0	0	0	0	0	0	0	0	0
176	ALL	646041	4199780	1.42E-07	30YrCance	1.42E-07	0	0	0	0	0	0	0	0	0	0	0
177	ALL	646141	4199780	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
178	ALL	646241	4199780	1.57E-07	30YrCance	1.57E-07	0	0	0	0	0	0	0	0	0	0	0
179	ALL	646341	4199780	1.59E-07	30YrCance	1.59E-07	0	0	0	0	0	0	0	0	0	0	0
180	ALL	646441	4199780	1.58E-07	30YrCance	1.58E-07	0	0	0	0	0	0	0	0	0	0	0
181	ALL	646541	4199780	1.55E-07	30YrCance	1.55E-07	0	0	0	0	0	0	0	0	0	0	0
182	ALL	646641	4199780	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
183	ALL	646741	4199780	1.46E-07	30YrCance	1.46E-07	0	0	0	0	0	0	0	0	0	0	0
184	ALL	646841	4199780	1.40E-07	30YrCance	1.40E-07	0	0	0	0	0	0	0	0	0	0	0
185	ALL	646941	4199780	1.33E-07	30YrCance	1.33E-07	0	0	0	0	0	0	0	0	0	0	0
186	ALL	647041	4199780	1.26E-07	30YrCance	1.26E-07	0	0	0	0	0	0	0	0	0	0	0
187	ALL	647141	4199780	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
188	ALL	647241	4199780	1.11E-07	30YrCance	1.11E-07	0	0	0	0	0	0	0	0	0	0	0

189	ALL	647341	4199780	1.04E-07	30YrCance	1.04E-07	0	0	0	0	0	0	0	0	0	0	0
190	ALL	644341	4199880	3.99E-08	30YrCance	3.99E-08	0	0	0	0	0	0	0	0	0	0	0
191	ALL	644441	4199880	4.27E-08	30YrCance	4.27E-08	0	0	0	0	0	0	0	0	0	0	0
192	ALL	644541	4199880	4.57E-08	30YrCance	4.57E-08	0	0	0	0	0	0	0	0	0	0	0
193	ALL	644641	4199880	4.90E-08	30YrCance	4.90E-08	0	0	0	0	0	0	0	0	0	0	0
194	ALL	644741	4199880	5.27E-08	30YrCance	5.27E-08	0	0	0	0	0	0	0	0	0	0	0
195	ALL	644841	4199880	5.70E-08	30YrCance	5.70E-08	0	0	0	0	0	0	0	0	0	0	0
196	ALL	644941	4199880	6.22E-08	30YrCance	6.22E-08	0	0	0	0	0	0	0	0	0	0	0
197	ALL	645041	4199880	6.87E-08	30YrCance	6.87E-08	0	0	0	0	0	0	0	0	0	0	0
198	ALL	645141	4199880	7.72E-08	30YrCance	7.72E-08	0	0	0	0	0	0	0	0	0	0	0
199	ALL	645241	4199880	8.81E-08	30YrCance	8.81E-08	0	0	0	0	0	0	0	0	0	0	0
200	ALL	645341	4199880	1.01E-07	30YrCance	1.01E-07	0	0	0	0	0	0	0	0	0	0	0
201	ALL	645441	4199880	1.16E-07	30YrCance	1.16E-07	0	0	0	0	0	0	0	0	0	0	0
202	ALL	645541	4199880	1.29E-07	30YrCance	1.29E-07	0	0	0	0	0	0	0	0	0	0	0
203	ALL	645641	4199880	1.40E-07	30YrCance	1.40E-07	0	0	0	0	0	0	0	0	0	0	0
204	ALL	645741	4199880	1.46E-07	30YrCance	1.46E-07	0	0	0	0	0	0	0	0	0	0	0
205	ALL	645841	4199880	1.52E-07	30YrCance	1.52E-07	0	0	0	0	0	0	0	0	0	0	0
206	ALL	645941	4199880	1.61E-07	30YrCance	1.61E-07	0	0	0	0	0	0	0	0	0	0	0
207	ALL	646041	4199880	1.73E-07	30YrCance	1.73E-07	0	0	0	0	0	0	0	0	0	0	0
208	ALL	646141	4199880	1.83E-07	30YrCance	1.83E-07	0	0	0	0	0	0	0	0	0	0	0
209	ALL	646241	4199880	1.90E-07	30YrCance	1.90E-07	0	0	0	0	0	0	0	0	0	0	0
210	ALL	646341	4199880	1.91E-07	30YrCance	1.91E-07	0	0	0	0	0	0	0	0	0	0	0
211	ALL	646441	4199880	1.88E-07	30YrCance	1.88E-07	0	0	0	0	0	0	0	0	0	0	0
212	ALL	646541	4199880	1.82E-07	30YrCance	1.82E-07	0	0	0	0	0	0	0	0	0	0	0
213	ALL	646641	4199880	1.76E-07	30YrCance	1.76E-07	0	0	0	0	0	0	0	0	0	0	0
214	ALL	646741	4199880	1.68E-07	30YrCance	1.68E-07	0	0	0	0	0	0	0	0	0	0	0
215	ALL	646841	4199880	1.58E-07	30YrCance	1.58E-07	0	0	0	0	0	0	0	0	0	0	0
216	ALL	646941	4199880	1.49E-07	30YrCance	1.49E-07	0	0	0	0	0	0	0	0	0	0	0
217	ALL	647041	4199880	1.39E-07	30YrCance	1.39E-07	0	0	0	0	0	0	0	0	0	0	0
218	ALL	647141	4199880	1.29E-07	30YrCance	1.29E-07	0	0	0	0	0	0	0	0	0	0	0
219	ALL	647241	4199880	1.20E-07	30YrCance	1.20E-07	0	0	0	0	0	0	0	0	0	0	0
220	ALL	647341	4199880	1.11E-07	30YrCance	1.11E-07	0	0	0	0	0	0	0	0	0	0	0
221	ALL	644341	4199980	4.29E-08	30YrCance	4.29E-08	0	0	0	0	0	0	0	0	0	0	0
222	ALL	644441	4199980	4.61E-08	30YrCance	4.61E-08	0	0	0	0	0	0	0	0	0	0	0
223	ALL	644541	4199980	4.97E-08	30YrCance	4.97E-08	0	0	0	0	0	0	0	0	0	0	0
224	ALL	644641	4199980	5.36E-08	30YrCance	5.36E-08	0	0	0	0	0	0	0	0	0	0	0
225	ALL	644741	4199980	5.80E-08	30YrCance	5.80E-08	0	0	0	0	0	0	0	0	0	0	0
226	ALL	644841	4199980	6.29E-08	30YrCance	6.29E-08	0	0	0	0	0	0	0	0	0	0	0
227	ALL	644941	4199980	6.87E-08	30YrCance	6.87E-08	0	0	0	0	0	0	0	0	0	0	0
228	ALL	645041	4199980	7.58E-08	30YrCance	7.58E-08	0	0	0	0	0	0	0	0	0	0	0
229	ALL	645141	4199980	8.50E-08	30YrCance	8.50E-08	0	0	0	0	0	0	0	0	0	0	0
230	ALL	645241	4199980	9.72E-08	30YrCance	9.72E-08	0	0	0	0	0	0	0	0	0	0	0
231	ALL	645341	4199980	1.13E-07	30YrCance	1.13E-07	0	0	0	0	0	0	0	0	0	0	0
232	ALL	645441	4199980	1.32E-07	30YrCance	1.32E-07	0	0	0	0	0	0	0	0	0	0	0
233	ALL	645541	4199980	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
234	ALL	645641	4199980	1.67E-07	30YrCance	1.67E-07	0	0	0	0	0	0	0	0	0	0	0
235	ALL	645741	4199980	1.77E-07	30YrCance	1.77E-07	0	0	0	0	0	0	0	0	0	0	0
236	ALL	645841	4199980	1.86E-07	30YrCance	1.86E-07	0	0	0	0	0	0	0	0	0	0	0

237	ALL	645941	4199980	1.99E-07	30YrCance	1.99E-07	0	0	0	0	0	0	0	0	0	0	0
238	ALL	646041	4199980	2.15E-07	30YrCance	2.15E-07	0	0	0	0	0	0	0	0	0	0	0
239	ALL	646141	4199980	2.28E-07	30YrCance	2.28E-07	0	0	0	0	0	0	0	0	0	0	0
240	ALL	646241	4199980	2.33E-07	30YrCance	2.33E-07	0	0	0	0	0	0	0	0	0	0	0
241	ALL	646341	4199980	2.32E-07	30YrCance	2.32E-07	0	0	0	0	0	0	0	0	0	0	0
242	ALL	646441	4199980	2.26E-07	30YrCance	2.26E-07	0	0	0	0	0	0	0	0	0	0	0
243	ALL	646541	4199980	2.17E-07	30YrCance	2.17E-07	0	0	0	0	0	0	0	0	0	0	0
244	ALL	646641	4199980	2.05E-07	30YrCance	2.05E-07	0	0	0	0	0	0	0	0	0	0	0
245	ALL	646741	4199980	1.93E-07	30YrCance	1.93E-07	0	0	0	0	0	0	0	0	0	0	0
246	ALL	646841	4199980	1.79E-07	30YrCance	1.79E-07	0	0	0	0	0	0	0	0	0	0	0
247	ALL	646941	4199980	1.65E-07	30YrCance	1.65E-07	0	0	0	0	0	0	0	0	0	0	0
248	ALL	647041	4199980	1.52E-07	30YrCance	1.52E-07	0	0	0	0	0	0	0	0	0	0	0
249	ALL	647141	4199980	1.39E-07	30YrCance	1.39E-07	0	0	0	0	0	0	0	0	0	0	0
250	ALL	647241	4199980	1.28E-07	30YrCance	1.28E-07	0	0	0	0	0	0	0	0	0	0	0
251	ALL	647341	4199980	1.17E-07	30YrCance	1.17E-07	0	0	0	0	0	0	0	0	0	0	0
252	ALL	644341	4200080	4.61E-08	30YrCance	4.61E-08	0	0	0	0	0	0	0	0	0	0	0
253	ALL	644441	4200080	4.99E-08	30YrCance	4.99E-08	0	0	0	0	0	0	0	0	0	0	0
254	ALL	644541	4200080	5.40E-08	30YrCance	5.40E-08	0	0	0	0	0	0	0	0	0	0	0
255	ALL	644641	4200080	5.87E-08	30YrCance	5.87E-08	0	0	0	0	0	0	0	0	0	0	0
256	ALL	644741	4200080	6.40E-08	30YrCance	6.40E-08	0	0	0	0	0	0	0	0	0	0	0
257	ALL	644841	4200080	6.99E-08	30YrCance	6.99E-08	0	0	0	0	0	0	0	0	0	0	0
258	ALL	644941	4200080	7.67E-08	30YrCance	7.67E-08	0	0	0	0	0	0	0	0	0	0	0
259	ALL	645041	4200080	8.48E-08	30YrCance	8.48E-08	0	0	0	0	0	0	0	0	0	0	0
260	ALL	645141	4200080	9.49E-08	30YrCance	9.49E-08	0	0	0	0	0	0	0	0	0	0	0
261	ALL	645241	4200080	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
262	ALL	645341	4200080	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
263	ALL	645441	4200080	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
264	ALL	645541	4200080	1.78E-07	30YrCance	1.78E-07	0	0	0	0	0	0	0	0	0	0	0
265	ALL	645641	4200080	2.03E-07	30YrCance	2.03E-07	0	0	0	0	0	0	0	0	0	0	0
266	ALL	645741	4200080	2.20E-07	30YrCance	2.20E-07	0	0	0	0	0	0	0	0	0	0	0
267	ALL	645841	4200080	2.35E-07	30YrCance	2.35E-07	0	0	0	0	0	0	0	0	0	0	0
268	ALL	645941	4200080	2.54E-07	30YrCance	2.54E-07	0	0	0	0	0	0	0	0	0	0	0
269	ALL	646041	4200080	2.76E-07	30YrCance	2.76E-07	0	0	0	0	0	0	0	0	0	0	0
270	ALL	646141	4200080	2.91E-07	30YrCance	2.91E-07	0	0	0	0	0	0	0	0	0	0	0
271	ALL	646241	4200080	2.94E-07	30YrCance	2.94E-07	0	0	0	0	0	0	0	0	0	0	0
272	ALL	646341	4200080	2.88E-07	30YrCance	2.88E-07	0	0	0	0	0	0	0	0	0	0	0
273	ALL	646441	4200080	2.75E-07	30YrCance	2.75E-07	0	0	0	0	0	0	0	0	0	0	0
274	ALL	646541	4200080	2.60E-07	30YrCance	2.60E-07	0	0	0	0	0	0	0	0	0	0	0
275	ALL	646641	4200080	2.41E-07	30YrCance	2.41E-07	0	0	0	0	0	0	0	0	0	0	0
276	ALL	646741	4200080	2.21E-07	30YrCance	2.21E-07	0	0	0	0	0	0	0	0	0	0	0
277	ALL	646841	4200080	2.01E-07	30YrCance	2.01E-07	0	0	0	0	0	0	0	0	0	0	0
278	ALL	646941	4200080	1.82E-07	30YrCance	1.82E-07	0	0	0	0	0	0	0	0	0	0	0
279	ALL	647041	4200080	1.65E-07	30YrCance	1.65E-07	0	0	0	0	0	0	0	0	0	0	0
280	ALL	647141	4200080	1.49E-07	30YrCance	1.49E-07	0	0	0	0	0	0	0	0	0	0	0
281	ALL	647241	4200080	1.35E-07	30YrCance	1.35E-07	0	0	0	0	0	0	0	0	0	0	0
282	ALL	647341	4200080	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
283	ALL	644341	4200180	4.96E-08	30YrCance	4.96E-08	0	0	0	0	0	0	0	0	0	0	0
284	ALL	644441	4200180	5.39E-08	30YrCance	5.39E-08	0	0	0	0	0	0	0	0	0	0	0

285	ALL	644541	4200180	5.88E-08	30YrCance	5.88E-08	0	0	0	0	0	0	0	0	0	0	0
286	ALL	644641	4200180	6.43E-08	30YrCance	6.43E-08	0	0	0	0	0	0	0	0	0	0	0
287	ALL	644741	4200180	7.07E-08	30YrCance	7.07E-08	0	0	0	0	0	0	0	0	0	0	0
288	ALL	644841	4200180	7.79E-08	30YrCance	7.79E-08	0	0	0	0	0	0	0	0	0	0	0
289	ALL	644941	4200180	8.63E-08	30YrCance	8.63E-08	0	0	0	0	0	0	0	0	0	0	0
290	ALL	645041	4200180	9.61E-08	30YrCance	9.61E-08	0	0	0	0	0	0	0	0	0	0	0
291	ALL	645141	4200180	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
292	ALL	645241	4200180	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
293	ALL	645341	4200180	1.45E-07	30YrCance	1.45E-07	0	0	0	0	0	0	0	0	0	0	0
294	ALL	645441	4200180	1.74E-07	30YrCance	1.74E-07	0	0	0	0	0	0	0	0	0	0	0
295	ALL	645541	4200180	2.13E-07	30YrCance	2.13E-07	0	0	0	0	0	0	0	0	0	0	0
296	ALL	645641	4200180	2.52E-07	30YrCance	2.52E-07	0	0	0	0	0	0	0	0	0	0	0
297	ALL	645741	4200180	2.82E-07	30YrCance	2.82E-07	0	0	0	0	0	0	0	0	0	0	0
298	ALL	645841	4200180	3.07E-07	30YrCance	3.07E-07	0	0	0	0	0	0	0	0	0	0	0
299	ALL	645941	4200180	3.37E-07	30YrCance	3.37E-07	0	0	0	0	0	0	0	0	0	0	0
300	ALL	646041	4200180	3.68E-07	30YrCance	3.68E-07	0	0	0	0	0	0	0	0	0	0	0
301	ALL	646141	4200180	3.84E-07	30YrCance	3.84E-07	0	0	0	0	0	0	0	0	0	0	0
302	ALL	646241	4200180	3.81E-07	30YrCance	3.81E-07	0	0	0	0	0	0	0	0	0	0	0
303	ALL	646341	4200180	3.64E-07	30YrCance	3.64E-07	0	0	0	0	0	0	0	0	0	0	0
304	ALL	646441	4200180	3.40E-07	30YrCance	3.40E-07	0	0	0	0	0	0	0	0	0	0	0
305	ALL	646541	4200180	3.11E-07	30YrCance	3.11E-07	0	0	0	0	0	0	0	0	0	0	0
306	ALL	646641	4200180	2.80E-07	30YrCance	2.80E-07	0	0	0	0	0	0	0	0	0	0	0
307	ALL	646741	4200180	2.50E-07	30YrCance	2.50E-07	0	0	0	0	0	0	0	0	0	0	0
308	ALL	646841	4200180	2.22E-07	30YrCance	2.22E-07	0	0	0	0	0	0	0	0	0	0	0
309	ALL	646941	4200180	1.98E-07	30YrCance	1.98E-07	0	0	0	0	0	0	0	0	0	0	0
310	ALL	647041	4200180	1.76E-07	30YrCance	1.76E-07	0	0	0	0	0	0	0	0	0	0	0
311	ALL	647141	4200180	1.57E-07	30YrCance	1.57E-07	0	0	0	0	0	0	0	0	0	0	0
312	ALL	647241	4200180	1.41E-07	30YrCance	1.41E-07	0	0	0	0	0	0	0	0	0	0	0
313	ALL	647341	4200180	1.28E-07	30YrCance	1.28E-07	0	0	0	0	0	0	0	0	0	0	0
314	ALL	644341	4200280	5.32E-08	30YrCance	5.32E-08	0	0	0	0	0	0	0	0	0	0	0
315	ALL	644441	4200280	5.81E-08	30YrCance	5.81E-08	0	0	0	0	0	0	0	0	0	0	0
316	ALL	644541	4200280	6.38E-08	30YrCance	6.38E-08	0	0	0	0	0	0	0	0	0	0	0
317	ALL	644641	4200280	7.04E-08	30YrCance	7.04E-08	0	0	0	0	0	0	0	0	0	0	0
318	ALL	644741	4200280	7.81E-08	30YrCance	7.81E-08	0	0	0	0	0	0	0	0	0	0	0
319	ALL	644841	4200280	8.70E-08	30YrCance	8.70E-08	0	0	0	0	0	0	0	0	0	0	0
320	ALL	644941	4200280	9.75E-08	30YrCance	9.75E-08	0	0	0	0	0	0	0	0	0	0	0
321	ALL	645041	4200280	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
322	ALL	645141	4200280	1.25E-07	30YrCance	1.25E-07	0	0	0	0	0	0	0	0	0	0	0
323	ALL	645241	4200280	1.43E-07	30YrCance	1.43E-07	0	0	0	0	0	0	0	0	0	0	0
324	ALL	645341	4200280	1.68E-07	30YrCance	1.68E-07	0	0	0	0	0	0	0	0	0	0	0
325	ALL	645441	4200280	2.05E-07	30YrCance	2.05E-07	0	0	0	0	0	0	0	0	0	0	0
326	ALL	645541	4200280	2.57E-07	30YrCance	2.57E-07	0	0	0	0	0	0	0	0	0	0	0
327	ALL	645641	4200280	3.20E-07	30YrCance	3.20E-07	0	0	0	0	0	0	0	0	0	0	0
328	ALL	645741	4200280	3.76E-07	30YrCance	3.76E-07	0	0	0	0	0	0	0	0	0	0	0
329	ALL	645841	4200280	4.22E-07	30YrCance	4.22E-07	0	0	0	0	0	0	0	0	0	0	0
330	ALL	645941	4200280	4.72E-07	30YrCance	4.72E-07	0	0	0	0	0	0	0	0	0	0	0
331	ALL	646041	4200280	5.17E-07	30YrCance	5.17E-07	0	0	0	0	0	0	0	0	0	0	0
332	ALL	646141	4200280	5.30E-07	30YrCance	5.30E-07	0	0	0	0	0	0	0	0	0	0	0

333	ALL	646241	4200280	5.08E-07	30YrCance	5.08E-07	0	0	0	0	0	0	0	0	0	0	0
334	ALL	646341	4200280	4.69E-07	30YrCance	4.69E-07	0	0	0	0	0	0	0	0	0	0	0
335	ALL	646441	4200280	4.20E-07	30YrCance	4.20E-07	0	0	0	0	0	0	0	0	0	0	0
336	ALL	646541	4200280	3.68E-07	30YrCance	3.68E-07	0	0	0	0	0	0	0	0	0	0	0
337	ALL	646641	4200280	3.20E-07	30YrCance	3.20E-07	0	0	0	0	0	0	0	0	0	0	0
338	ALL	646741	4200280	2.78E-07	30YrCance	2.78E-07	0	0	0	0	0	0	0	0	0	0	0
339	ALL	646841	4200280	2.42E-07	30YrCance	2.42E-07	0	0	0	0	0	0	0	0	0	0	0
340	ALL	646941	4200280	2.11E-07	30YrCance	2.11E-07	0	0	0	0	0	0	0	0	0	0	0
341	ALL	647041	4200280	1.86E-07	30YrCance	1.86E-07	0	0	0	0	0	0	0	0	0	0	0
342	ALL	647141	4200280	1.64E-07	30YrCance	1.64E-07	0	0	0	0	0	0	0	0	0	0	0
343	ALL	647241	4200280	1.46E-07	30YrCance	1.46E-07	0	0	0	0	0	0	0	0	0	0	0
344	ALL	647341	4200280	1.31E-07	30YrCance	1.31E-07	0	0	0	0	0	0	0	0	0	0	0
345	ALL	644341	4200380	5.72E-08	30YrCance	5.72E-08	0	0	0	0	0	0	0	0	0	0	0
346	ALL	644441	4200380	6.28E-08	30YrCance	6.28E-08	0	0	0	0	0	0	0	0	0	0	0
347	ALL	644541	4200380	6.93E-08	30YrCance	6.93E-08	0	0	0	0	0	0	0	0	0	0	0
348	ALL	644641	4200380	7.70E-08	30YrCance	7.70E-08	0	0	0	0	0	0	0	0	0	0	0
349	ALL	644741	4200380	8.62E-08	30YrCance	8.62E-08	0	0	0	0	0	0	0	0	0	0	0
350	ALL	644841	4200380	9.71E-08	30YrCance	9.71E-08	0	0	0	0	0	0	0	0	0	0	0
351	ALL	644941	4200380	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
352	ALL	645041	4200380	1.26E-07	30YrCance	1.26E-07	0	0	0	0	0	0	0	0	0	0	0
353	ALL	645141	4200380	1.46E-07	30YrCance	1.46E-07	0	0	0	0	0	0	0	0	0	0	0
354	ALL	645241	4200380	1.70E-07	30YrCance	1.70E-07	0	0	0	0	0	0	0	0	0	0	0
355	ALL	645341	4200380	2.02E-07	30YrCance	2.02E-07	0	0	0	0	0	0	0	0	0	0	0
356	ALL	645441	4200380	2.48E-07	30YrCance	2.48E-07	0	0	0	0	0	0	0	0	0	0	0
357	ALL	645541	4200380	3.18E-07	30YrCance	3.18E-07	0	0	0	0	0	0	0	0	0	0	0
358	ALL	645641	4200380	4.20E-07	30YrCance	4.20E-07	0	0	0	0	0	0	0	0	0	0	0
359	ALL	645741	4200380	5.29E-07	30YrCance	5.29E-07	0	0	0	0	0	0	0	0	0	0	0
360	ALL	645841	4200380	6.24E-07	30YrCance	6.24E-07	0	0	0	0	0	0	0	0	0	0	0
361	ALL	645941	4200380	7.15E-07	30YrCance	7.15E-07	0	0	0	0	0	0	0	0	0	0	0
362	ALL	646041	4200380	7.76E-07	30YrCance	7.76E-07	0	0	0	0	0	0	0	0	0	0	0
363	ALL	646141	4200380	7.63E-07	30YrCance	7.63E-07	0	0	0	0	0	0	0	0	0	0	0
364	ALL	646241	4200380	6.94E-07	30YrCance	6.94E-07	0	0	0	0	0	0	0	0	0	0	0
365	ALL	646341	4200380	6.03E-07	30YrCance	6.03E-07	0	0	0	0	0	0	0	0	0	0	0
366	ALL	646441	4200380	5.09E-07	30YrCance	5.09E-07	0	0	0	0	0	0	0	0	0	0	0
367	ALL	646541	4200380	4.26E-07	30YrCance	4.26E-07	0	0	0	0	0	0	0	0	0	0	0
368	ALL	646641	4200380	3.57E-07	30YrCance	3.57E-07	0	0	0	0	0	0	0	0	0	0	0
369	ALL	646741	4200380	3.01E-07	30YrCance	3.01E-07	0	0	0	0	0	0	0	0	0	0	0
370	ALL	646841	4200380	2.57E-07	30YrCance	2.57E-07	0	0	0	0	0	0	0	0	0	0	0
371	ALL	646941	4200380	2.21E-07	30YrCance	2.21E-07	0	0	0	0	0	0	0	0	0	0	0
372	ALL	647041	4200380	1.93E-07	30YrCance	1.93E-07	0	0	0	0	0	0	0	0	0	0	0
373	ALL	647141	4200380	1.69E-07	30YrCance	1.69E-07	0	0	0	0	0	0	0	0	0	0	0
374	ALL	647241	4200380	1.50E-07	30YrCance	1.50E-07	0	0	0	0	0	0	0	0	0	0	0
375	ALL	647341	4200380	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
376	ALL	644341	4200480	6.15E-08	30YrCance	6.15E-08	0	0	0	0	0	0	0	0	0	0	0
377	ALL	644441	4200480	6.79E-08	30YrCance	6.79E-08	0	0	0	0	0	0	0	0	0	0	0
378	ALL	644541	4200480	7.55E-08	30YrCance	7.55E-08	0	0	0	0	0	0	0	0	0	0	0
379	ALL	644641	4200480	8.44E-08	30YrCance	8.44E-08	0	0	0	0	0	0	0	0	0	0	0
380	ALL	644741	4200480	9.52E-08	30YrCance	9.52E-08	0	0	0	0	0	0	0	0	0	0	0

381	ALL	644841	4200480	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
382	ALL	644941	4200480	1.25E-07	30YrCance	1.25E-07	0	0	0	0	0	0	0	0	0	0	0
383	ALL	645041	4200480	1.45E-07	30YrCance	1.45E-07	0	0	0	0	0	0	0	0	0	0	0
384	ALL	645141	4200480	1.71E-07	30YrCance	1.71E-07	0	0	0	0	0	0	0	0	0	0	0
385	ALL	645241	4200480	2.05E-07	30YrCance	2.05E-07	0	0	0	0	0	0	0	0	0	0	0
386	ALL	645341	4200480	2.50E-07	30YrCance	2.50E-07	0	0	0	0	0	0	0	0	0	0	0
387	ALL	645441	4200480	3.12E-07	30YrCance	3.12E-07	0	0	0	0	0	0	0	0	0	0	0
388	ALL	645541	4200480	4.11E-07	30YrCance	4.11E-07	0	0	0	0	0	0	0	0	0	0	0
389	ALL	645641	4200480	5.81E-07	30YrCance	5.81E-07	0	0	0	0	0	0	0	0	0	0	0
390	ALL	645741	4200480	8.12E-07	30YrCance	8.12E-07	0	0	0	0	0	0	0	0	0	0	0
391	ALL	645841	4200480	1.05E-06	30YrCance	1.05E-06	0	0	0	0	0	0	0	0	0	0	0
392	ALL	645941	4200480	1.24E-06	30YrCance	1.24E-06	0	0	0	0	0	0	0	0	0	0	0
393	ALL	646041	4200480	1.29E-06	30YrCance	1.29E-06	0	0	0	0	0	0	0	0	0	0	0
394	ALL	646141	4200480	1.16E-06	30YrCance	1.16E-06	0	0	0	0	0	0	0	0	0	0	0
395	ALL	646241	4200480	9.51E-07	30YrCance	9.51E-07	0	0	0	0	0	0	0	0	0	0	0
396	ALL	646341	4200480	7.54E-07	30YrCance	7.54E-07	0	0	0	0	0	0	0	0	0	0	0
397	ALL	646441	4200480	5.95E-07	30YrCance	5.95E-07	0	0	0	0	0	0	0	0	0	0	0
398	ALL	646541	4200480	4.75E-07	30YrCance	4.75E-07	0	0	0	0	0	0	0	0	0	0	0
399	ALL	646641	4200480	3.85E-07	30YrCance	3.85E-07	0	0	0	0	0	0	0	0	0	0	0
400	ALL	646741	4200480	3.18E-07	30YrCance	3.18E-07	0	0	0	0	0	0	0	0	0	0	0
401	ALL	646841	4200480	2.67E-07	30YrCance	2.67E-07	0	0	0	0	0	0	0	0	0	0	0
402	ALL	646941	4200480	2.28E-07	30YrCance	2.28E-07	0	0	0	0	0	0	0	0	0	0	0
403	ALL	647041	4200480	1.97E-07	30YrCance	1.97E-07	0	0	0	0	0	0	0	0	0	0	0
404	ALL	647141	4200480	1.72E-07	30YrCance	1.72E-07	0	0	0	0	0	0	0	0	0	0	0
405	ALL	647241	4200480	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
406	ALL	647341	4200480	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
407	ALL	644341	4200580	6.62E-08	30YrCance	6.62E-08	0	0	0	0	0	0	0	0	0	0	0
408	ALL	644441	4200580	7.34E-08	30YrCance	7.34E-08	0	0	0	0	0	0	0	0	0	0	0
409	ALL	644541	4200580	8.21E-08	30YrCance	8.21E-08	0	0	0	0	0	0	0	0	0	0	0
410	ALL	644641	4200580	9.24E-08	30YrCance	9.24E-08	0	0	0	0	0	0	0	0	0	0	0
411	ALL	644741	4200580	1.05E-07	30YrCance	1.05E-07	0	0	0	0	0	0	0	0	0	0	0
412	ALL	644841	4200580	1.21E-07	30YrCance	1.21E-07	0	0	0	0	0	0	0	0	0	0	0
413	ALL	644941	4200580	1.41E-07	30YrCance	1.41E-07	0	0	0	0	0	0	0	0	0	0	0
414	ALL	645041	4200580	1.66E-07	30YrCance	1.66E-07	0	0	0	0	0	0	0	0	0	0	0
415	ALL	645141	4200580	2.00E-07	30YrCance	2.00E-07	0	0	0	0	0	0	0	0	0	0	0
416	ALL	645241	4200580	2.46E-07	30YrCance	2.46E-07	0	0	0	0	0	0	0	0	0	0	0
417	ALL	645341	4200580	3.12E-07	30YrCance	3.12E-07	0	0	0	0	0	0	0	0	0	0	0
418	ALL	645441	4200580	4.08E-07	30YrCance	4.08E-07	0	0	0	0	0	0	0	0	0	0	0
419	ALL	645541	4200580	5.68E-07	30YrCance	5.68E-07	0	0	0	0	0	0	0	0	0	0	0
420	ALL	645641	4200580	8.69E-07	30YrCance	8.69E-07	0	0	0	0	0	0	0	0	0	0	0
421	ALL	645741	4200580	1.46E-06	30YrCance	1.46E-06	0	0	0	0	0	0	0	0	0	0	0
422	ALL	645841	4200580	2.20E-06	30YrCance	2.20E-06	0	0	0	0	0	0	0	0	0	0	0
423	ALL	645941	4200580	2.61E-06	30YrCance	2.61E-06	0	0	0	0	0	0	0	0	0	0	0
424	ALL	646041	4200580	2.37E-06	30YrCance	2.37E-06	0	0	0	0	0	0	0	0	0	0	0
425	ALL	646141	4200580	1.75E-06	30YrCance	1.75E-06	0	0	0	0	0	0	0	0	0	0	0
426	ALL	646241	4200580	1.23E-06	30YrCance	1.23E-06	0	0	0	0	0	0	0	0	0	0	0
427	ALL	646341	4200580	8.84E-07	30YrCance	8.84E-07	0	0	0	0	0	0	0	0	0	0	0
428	ALL	646441	4200580	6.56E-07	30YrCance	6.56E-07	0	0	0	0	0	0	0	0	0	0	0

429	ALL	646541	4200580	5.05E-07	30YrCance	5.05E-07	0	0	0	0	0	0	0	0	0	0	0
430	ALL	646641	4200580	4.00E-07	30YrCance	4.00E-07	0	0	0	0	0	0	0	0	0	0	0
431	ALL	646741	4200580	3.26E-07	30YrCance	3.26E-07	0	0	0	0	0	0	0	0	0	0	0
432	ALL	646841	4200580	2.71E-07	30YrCance	2.71E-07	0	0	0	0	0	0	0	0	0	0	0
433	ALL	646941	4200580	2.29E-07	30YrCance	2.29E-07	0	0	0	0	0	0	0	0	0	0	0
434	ALL	647041	4200580	1.97E-07	30YrCance	1.97E-07	0	0	0	0	0	0	0	0	0	0	0
435	ALL	647141	4200580	1.71E-07	30YrCance	1.71E-07	0	0	0	0	0	0	0	0	0	0	0
436	ALL	647241	4200580	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
437	ALL	647341	4200580	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
438	ALL	644341	4200680	7.07E-08	30YrCance	7.07E-08	0	0	0	0	0	0	0	0	0	0	0
439	ALL	644441	4200680	7.88E-08	30YrCance	7.88E-08	0	0	0	0	0	0	0	0	0	0	0
440	ALL	644541	4200680	8.86E-08	30YrCance	8.86E-08	0	0	0	0	0	0	0	0	0	0	0
441	ALL	644641	4200680	1.00E-07	30YrCance	1.00E-07	0	0	0	0	0	0	0	0	0	0	0
442	ALL	644741	4200680	1.15E-07	30YrCance	1.15E-07	0	0	0	0	0	0	0	0	0	0	0
443	ALL	644841	4200680	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
444	ALL	644941	4200680	1.57E-07	30YrCance	1.57E-07	0	0	0	0	0	0	0	0	0	0	0
445	ALL	645041	4200680	1.89E-07	30YrCance	1.89E-07	0	0	0	0	0	0	0	0	0	0	0
446	ALL	645141	4200680	2.32E-07	30YrCance	2.32E-07	0	0	0	0	0	0	0	0	0	0	0
447	ALL	645241	4200680	2.94E-07	30YrCance	2.94E-07	0	0	0	0	0	0	0	0	0	0	0
448	ALL	645341	4200680	3.87E-07	30YrCance	3.87E-07	0	0	0	0	0	0	0	0	0	0	0
449	ALL	645441	4200680	5.43E-07	30YrCance	5.43E-07	0	0	0	0	0	0	0	0	0	0	0
450	ALL	645541	4200680	8.33E-07	30YrCance	8.33E-07	0	0	0	0	0	0	0	0	0	0	0
451	ALL	645641	4200680	1.52E-06	30YrCance	1.52E-06	0	0	0	0	0	0	0	0	0	0	0
452	ALL	645741	4200680	4.24E-06	30YrCance	4.24E-06	0	0	0	0	0	0	0	0	0	0	0
453	ALL	645841	4200680	7.64E-06	30YrCance	7.64E-06	0	0	0	0	0	0	0	0	0	0	0
454	ALL	645941	4200680	7.66E-06	30YrCance	7.66E-06	0	0	0	0	0	0	0	0	0	0	0
455	ALL	646041	4200680	4.44E-06	30YrCance	4.44E-06	0	0	0	0	0	0	0	0	0	0	0
456	ALL	646141	4200680	2.36E-06	30YrCance	2.36E-06	0	0	0	0	0	0	0	0	0	0	0
457	ALL	646241	4200680	1.41E-06	30YrCance	1.41E-06	0	0	0	0	0	0	0	0	0	0	0
458	ALL	646341	4200680	9.40E-07	30YrCance	9.40E-07	0	0	0	0	0	0	0	0	0	0	0
459	ALL	646441	4200680	6.72E-07	30YrCance	6.72E-07	0	0	0	0	0	0	0	0	0	0	0
460	ALL	646541	4200680	5.07E-07	30YrCance	5.07E-07	0	0	0	0	0	0	0	0	0	0	0
461	ALL	646641	4200680	3.98E-07	30YrCance	3.98E-07	0	0	0	0	0	0	0	0	0	0	0
462	ALL	646741	4200680	3.22E-07	30YrCance	3.22E-07	0	0	0	0	0	0	0	0	0	0	0
463	ALL	646841	4200680	2.67E-07	30YrCance	2.67E-07	0	0	0	0	0	0	0	0	0	0	0
464	ALL	646941	4200680	2.25E-07	30YrCance	2.25E-07	0	0	0	0	0	0	0	0	0	0	0
465	ALL	647041	4200680	1.93E-07	30YrCance	1.93E-07	0	0	0	0	0	0	0	0	0	0	0
466	ALL	647141	4200680	1.68E-07	30YrCance	1.68E-07	0	0	0	0	0	0	0	0	0	0	0
467	ALL	647241	4200680	1.48E-07	30YrCance	1.48E-07	0	0	0	0	0	0	0	0	0	0	0
468	ALL	647341	4200680	1.31E-07	30YrCance	1.31E-07	0	0	0	0	0	0	0	0	0	0	0
469	ALL	644341	4200780	7.43E-08	30YrCance	7.43E-08	0	0	0	0	0	0	0	0	0	0	0
470	ALL	644441	4200780	8.31E-08	30YrCance	8.31E-08	0	0	0	0	0	0	0	0	0	0	0
471	ALL	644541	4200780	9.38E-08	30YrCance	9.38E-08	0	0	0	0	0	0	0	0	0	0	0
472	ALL	644641	4200780	1.07E-07	30YrCance	1.07E-07	0	0	0	0	0	0	0	0	0	0	0
473	ALL	644741	4200780	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
474	ALL	644841	4200780	1.44E-07	30YrCance	1.44E-07	0	0	0	0	0	0	0	0	0	0	0
475	ALL	644941	4200780	1.71E-07	30YrCance	1.71E-07	0	0	0	0	0	0	0	0	0	0	0
476	ALL	645041	4200780	2.08E-07	30YrCance	2.08E-07	0	0	0	0	0	0	0	0	0	0	0

477	ALL	645141	4200780	2.59E-07	30YrCance	2.59E-07	0	0	0	0	0	0	0	0	0	0	0
478	ALL	645241	4200780	3.34E-07	30YrCance	3.34E-07	0	0	0	0	0	0	0	0	0	0	0
479	ALL	645341	4200780	4.51E-07	30YrCance	4.51E-07	0	0	0	0	0	0	0	0	0	0	0
480	ALL	645441	4200780	6.57E-07	30YrCance	6.57E-07	0	0	0	0	0	0	0	0	0	0	0
481	ALL	645541	4200780	1.08E-06	30YrCance	1.08E-06	0	0	0	0	0	0	0	0	0	0	0
482	ALL	645641	4200780	2.32E-06	30YrCance	2.32E-06	0	0	0	0	0	0	0	0	0	0	0
483	ALL	645741	4200780	7.22E-06	30YrCance	7.22E-06	0	0	0	0	0	0	0	0	0	0	0
484	ALL	646041	4200780	5.34E-06	30YrCance	5.34E-06	0	0	0	0	0	0	0	0	0	0	0
485	ALL	646141	4200780	2.35E-06	30YrCance	2.35E-06	0	0	0	0	0	0	0	0	0	0	0
486	ALL	646241	4200780	1.34E-06	30YrCance	1.34E-06	0	0	0	0	0	0	0	0	0	0	0
487	ALL	646341	4200780	8.82E-07	30YrCance	8.82E-07	0	0	0	0	0	0	0	0	0	0	0
488	ALL	646441	4200780	6.31E-07	30YrCance	6.31E-07	0	0	0	0	0	0	0	0	0	0	0
489	ALL	646541	4200780	4.77E-07	30YrCance	4.77E-07	0	0	0	0	0	0	0	0	0	0	0
490	ALL	646641	4200780	3.76E-07	30YrCance	3.76E-07	0	0	0	0	0	0	0	0	0	0	0
491	ALL	646741	4200780	3.06E-07	30YrCance	3.06E-07	0	0	0	0	0	0	0	0	0	0	0
492	ALL	646841	4200780	2.54E-07	30YrCance	2.54E-07	0	0	0	0	0	0	0	0	0	0	0
493	ALL	646941	4200780	2.15E-07	30YrCance	2.15E-07	0	0	0	0	0	0	0	0	0	0	0
494	ALL	647041	4200780	1.85E-07	30YrCance	1.85E-07	0	0	0	0	0	0	0	0	0	0	0
495	ALL	647141	4200780	1.61E-07	30YrCance	1.61E-07	0	0	0	0	0	0	0	0	0	0	0
496	ALL	647241	4200780	1.42E-07	30YrCance	1.42E-07	0	0	0	0	0	0	0	0	0	0	0
497	ALL	647341	4200780	1.26E-07	30YrCance	1.26E-07	0	0	0	0	0	0	0	0	0	0	0
498	ALL	644341	4200880	7.64E-08	30YrCance	7.64E-08	0	0	0	0	0	0	0	0	0	0	0
499	ALL	644441	4200880	8.56E-08	30YrCance	8.56E-08	0	0	0	0	0	0	0	0	0	0	0
500	ALL	644541	4200880	9.67E-08	30YrCance	9.67E-08	0	0	0	0	0	0	0	0	0	0	0
501	ALL	644641	4200880	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
502	ALL	644741	4200880	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
503	ALL	644841	4200880	1.49E-07	30YrCance	1.49E-07	0	0	0	0	0	0	0	0	0	0	0
504	ALL	644941	4200880	1.77E-07	30YrCance	1.77E-07	0	0	0	0	0	0	0	0	0	0	0
505	ALL	645041	4200880	2.16E-07	30YrCance	2.16E-07	0	0	0	0	0	0	0	0	0	0	0
506	ALL	645141	4200880	2.69E-07	30YrCance	2.69E-07	0	0	0	0	0	0	0	0	0	0	0
507	ALL	645241	4200880	3.47E-07	30YrCance	3.47E-07	0	0	0	0	0	0	0	0	0	0	0
508	ALL	645341	4200880	4.68E-07	30YrCance	4.68E-07	0	0	0	0	0	0	0	0	0	0	0
509	ALL	645441	4200880	6.73E-07	30YrCance	6.73E-07	0	0	0	0	0	0	0	0	0	0	0
510	ALL	645541	4200880	1.06E-06	30YrCance	1.06E-06	0	0	0	0	0	0	0	0	0	0	0
511	ALL	645641	4200880	1.83E-06	30YrCance	1.83E-06	0	0	0	0	0	0	0	0	0	0	0
512	ALL	645741	4200880	3.48E-06	30YrCance	3.48E-06	0	0	0	0	0	0	0	0	0	0	0
513	ALL	645841	4200880	6.59E-06	30YrCance	6.59E-06	0	0	0	0	0	0	0	0	0	0	0
514	ALL	645941	4200880	6.64E-06	30YrCance	6.64E-06	0	0	0	0	0	0	0	0	0	0	0
515	ALL	646041	4200880	2.68E-06	30YrCance	2.68E-06	0	0	0	0	0	0	0	0	0	0	0
516	ALL	646141	4200880	1.51E-06	30YrCance	1.51E-06	0	0	0	0	0	0	0	0	0	0	0
517	ALL	646241	4200880	9.88E-07	30YrCance	9.88E-07	0	0	0	0	0	0	0	0	0	0	0
518	ALL	646341	4200880	7.02E-07	30YrCance	7.02E-07	0	0	0	0	0	0	0	0	0	0	0
519	ALL	646441	4200880	5.27E-07	30YrCance	5.27E-07	0	0	0	0	0	0	0	0	0	0	0
520	ALL	646541	4200880	4.12E-07	30YrCance	4.12E-07	0	0	0	0	0	0	0	0	0	0	0
521	ALL	646641	4200880	3.32E-07	30YrCance	3.32E-07	0	0	0	0	0	0	0	0	0	0	0
522	ALL	646741	4200880	2.75E-07	30YrCance	2.75E-07	0	0	0	0	0	0	0	0	0	0	0
523	ALL	646841	4200880	2.31E-07	30YrCance	2.31E-07	0	0	0	0	0	0	0	0	0	0	0
524	ALL	646941	4200880	1.98E-07	30YrCance	1.98E-07	0	0	0	0	0	0	0	0	0	0	0

525	ALL	647041	4200880	1.72E-07	30YrCance	1.72E-07	0	0	0	0	0	0	0	0	0	0	0
526	ALL	647141	4200880	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
527	ALL	647241	4200880	1.34E-07	30YrCance	1.34E-07	0	0	0	0	0	0	0	0	0	0	0
528	ALL	647341	4200880	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
529	ALL	644341	4200980	7.69E-08	30YrCance	7.69E-08	0	0	0	0	0	0	0	0	0	0	0
530	ALL	644441	4200980	8.60E-08	30YrCance	8.60E-08	0	0	0	0	0	0	0	0	0	0	0
531	ALL	644541	4200980	9.70E-08	30YrCance	9.70E-08	0	0	0	0	0	0	0	0	0	0	0
532	ALL	644641	4200980	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
533	ALL	644741	4200980	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
534	ALL	644841	4200980	1.48E-07	30YrCance	1.48E-07	0	0	0	0	0	0	0	0	0	0	0
535	ALL	644941	4200980	1.76E-07	30YrCance	1.76E-07	0	0	0	0	0	0	0	0	0	0	0
536	ALL	645041	4200980	2.12E-07	30YrCance	2.12E-07	0	0	0	0	0	0	0	0	0	0	0
537	ALL	645141	4200980	2.61E-07	30YrCance	2.61E-07	0	0	0	0	0	0	0	0	0	0	0
538	ALL	645241	4200980	3.31E-07	30YrCance	3.31E-07	0	0	0	0	0	0	0	0	0	0	0
539	ALL	645341	4200980	4.35E-07	30YrCance	4.35E-07	0	0	0	0	0	0	0	0	0	0	0
540	ALL	645441	4200980	5.95E-07	30YrCance	5.95E-07	0	0	0	0	0	0	0	0	0	0	0
541	ALL	645541	4200980	8.46E-07	30YrCance	8.46E-07	0	0	0	0	0	0	0	0	0	0	0
542	ALL	645641	4200980	1.20E-06	30YrCance	1.20E-06	0	0	0	0	0	0	0	0	0	0	0
543	ALL	645741	4200980	1.57E-06	30YrCance	1.57E-06	0	0	0	0	0	0	0	0	0	0	0
544	ALL	645841	4200980	1.55E-06	30YrCance	1.55E-06	0	0	0	0	0	0	0	0	0	0	0
545	ALL	645941	4200980	1.06E-06	30YrCance	1.06E-06	0	0	0	0	0	0	0	0	0	0	0
546	ALL	646041	4200980	8.59E-07	30YrCance	8.59E-07	0	0	0	0	0	0	0	0	0	0	0
547	ALL	646141	4200980	7.16E-07	30YrCance	7.16E-07	0	0	0	0	0	0	0	0	0	0	0
548	ALL	646241	4200980	5.83E-07	30YrCance	5.83E-07	0	0	0	0	0	0	0	0	0	0	0
549	ALL	646341	4200980	4.74E-07	30YrCance	4.74E-07	0	0	0	0	0	0	0	0	0	0	0
550	ALL	646441	4200980	3.89E-07	30YrCance	3.89E-07	0	0	0	0	0	0	0	0	0	0	0
551	ALL	646541	4200980	3.23E-07	30YrCance	3.23E-07	0	0	0	0	0	0	0	0	0	0	0
552	ALL	646641	4200980	2.72E-07	30YrCance	2.72E-07	0	0	0	0	0	0	0	0	0	0	0
553	ALL	646741	4200980	2.32E-07	30YrCance	2.32E-07	0	0	0	0	0	0	0	0	0	0	0
554	ALL	646841	4200980	2.00E-07	30YrCance	2.00E-07	0	0	0	0	0	0	0	0	0	0	0
555	ALL	646941	4200980	1.75E-07	30YrCance	1.75E-07	0	0	0	0	0	0	0	0	0	0	0
556	ALL	647041	4200980	1.54E-07	30YrCance	1.54E-07	0	0	0	0	0	0	0	0	0	0	0
557	ALL	647141	4200980	1.37E-07	30YrCance	1.37E-07	0	0	0	0	0	0	0	0	0	0	0
558	ALL	647241	4200980	1.22E-07	30YrCance	1.22E-07	0	0	0	0	0	0	0	0	0	0	0
559	ALL	647341	4200980	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
560	ALL	644341	4201080	7.60E-08	30YrCance	7.60E-08	0	0	0	0	0	0	0	0	0	0	0
561	ALL	644441	4201080	8.48E-08	30YrCance	8.48E-08	0	0	0	0	0	0	0	0	0	0	0
562	ALL	644541	4201080	9.53E-08	30YrCance	9.53E-08	0	0	0	0	0	0	0	0	0	0	0
563	ALL	644641	4201080	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
564	ALL	644741	4201080	1.24E-07	30YrCance	1.24E-07	0	0	0	0	0	0	0	0	0	0	0
565	ALL	644841	4201080	1.43E-07	30YrCance	1.43E-07	0	0	0	0	0	0	0	0	0	0	0
566	ALL	644941	4201080	1.68E-07	30YrCance	1.68E-07	0	0	0	0	0	0	0	0	0	0	0
567	ALL	645041	4201080	2.00E-07	30YrCance	2.00E-07	0	0	0	0	0	0	0	0	0	0	0
568	ALL	645141	4201080	2.43E-07	30YrCance	2.43E-07	0	0	0	0	0	0	0	0	0	0	0
569	ALL	645241	4201080	3.01E-07	30YrCance	3.01E-07	0	0	0	0	0	0	0	0	0	0	0
570	ALL	645341	4201080	3.80E-07	30YrCance	3.80E-07	0	0	0	0	0	0	0	0	0	0	0
571	ALL	645441	4201080	4.88E-07	30YrCance	4.88E-07	0	0	0	0	0	0	0	0	0	0	0
572	ALL	645541	4201080	6.22E-07	30YrCance	6.22E-07	0	0	0	0	0	0	0	0	0	0	0

573	ALL	645641	4201080	7.43E-07	30YrCance	7.43E-07	0	0	0	0	0	0	0	0	0	0	0
574	ALL	645741	4201080	7.54E-07	30YrCance	7.54E-07	0	0	0	0	0	0	0	0	0	0	0
575	ALL	645841	4201080	6.20E-07	30YrCance	6.20E-07	0	0	0	0	0	0	0	0	0	0	0
576	ALL	645941	4201080	4.87E-07	30YrCance	4.87E-07	0	0	0	0	0	0	0	0	0	0	0
577	ALL	646041	4201080	4.17E-07	30YrCance	4.17E-07	0	0	0	0	0	0	0	0	0	0	0
578	ALL	646141	4201080	3.74E-07	30YrCance	3.74E-07	0	0	0	0	0	0	0	0	0	0	0
579	ALL	646241	4201080	3.37E-07	30YrCance	3.37E-07	0	0	0	0	0	0	0	0	0	0	0
580	ALL	646341	4201080	3.02E-07	30YrCance	3.02E-07	0	0	0	0	0	0	0	0	0	0	0
581	ALL	646441	4201080	2.68E-07	30YrCance	2.68E-07	0	0	0	0	0	0	0	0	0	0	0
582	ALL	646541	4201080	2.38E-07	30YrCance	2.38E-07	0	0	0	0	0	0	0	0	0	0	0
583	ALL	646641	4201080	2.10E-07	30YrCance	2.10E-07	0	0	0	0	0	0	0	0	0	0	0
584	ALL	646741	4201080	1.86E-07	30YrCance	1.86E-07	0	0	0	0	0	0	0	0	0	0	0
585	ALL	646841	4201080	1.66E-07	30YrCance	1.66E-07	0	0	0	0	0	0	0	0	0	0	0
586	ALL	646941	4201080	1.48E-07	30YrCance	1.48E-07	0	0	0	0	0	0	0	0	0	0	0
587	ALL	647041	4201080	1.33E-07	30YrCance	1.33E-07	0	0	0	0	0	0	0	0	0	0	0
588	ALL	647141	4201080	1.20E-07	30YrCance	1.20E-07	0	0	0	0	0	0	0	0	0	0	0
589	ALL	647241	4201080	1.09E-07	30YrCance	1.09E-07	0	0	0	0	0	0	0	0	0	0	0
590	ALL	647341	4201080	9.92E-08	30YrCance	9.92E-08	0	0	0	0	0	0	0	0	0	0	0
591	ALL	644341	4201180	7.41E-08	30YrCance	7.41E-08	0	0	0	0	0	0	0	0	0	0	0
592	ALL	644441	4201180	8.24E-08	30YrCance	8.24E-08	0	0	0	0	0	0	0	0	0	0	0
593	ALL	644541	4201180	9.23E-08	30YrCance	9.23E-08	0	0	0	0	0	0	0	0	0	0	0
594	ALL	644641	4201180	1.04E-07	30YrCance	1.04E-07	0	0	0	0	0	0	0	0	0	0	0
595	ALL	644741	4201180	1.18E-07	30YrCance	1.18E-07	0	0	0	0	0	0	0	0	0	0	0
596	ALL	644841	4201180	1.36E-07	30YrCance	1.36E-07	0	0	0	0	0	0	0	0	0	0	0
597	ALL	644941	4201180	1.58E-07	30YrCance	1.58E-07	0	0	0	0	0	0	0	0	0	0	0
598	ALL	645041	4201180	1.85E-07	30YrCance	1.85E-07	0	0	0	0	0	0	0	0	0	0	0
599	ALL	645141	4201180	2.21E-07	30YrCance	2.21E-07	0	0	0	0	0	0	0	0	0	0	0
600	ALL	645241	4201180	2.66E-07	30YrCance	2.66E-07	0	0	0	0	0	0	0	0	0	0	0
601	ALL	645341	4201180	3.22E-07	30YrCance	3.22E-07	0	0	0	0	0	0	0	0	0	0	0
602	ALL	645441	4201180	3.86E-07	30YrCance	3.86E-07	0	0	0	0	0	0	0	0	0	0	0
603	ALL	645541	4201180	4.44E-07	30YrCance	4.44E-07	0	0	0	0	0	0	0	0	0	0	0
604	ALL	645641	4201180	4.64E-07	30YrCance	4.64E-07	0	0	0	0	0	0	0	0	0	0	0
605	ALL	645741	4201180	4.20E-07	30YrCance	4.20E-07	0	0	0	0	0	0	0	0	0	0	0
606	ALL	645841	4201180	3.40E-07	30YrCance	3.40E-07	0	0	0	0	0	0	0	0	0	0	0
607	ALL	645941	4201180	2.90E-07	30YrCance	2.90E-07	0	0	0	0	0	0	0	0	0	0	0
608	ALL	646041	4201180	2.60E-07	30YrCance	2.60E-07	0	0	0	0	0	0	0	0	0	0	0
609	ALL	646141	4201180	2.36E-07	30YrCance	2.36E-07	0	0	0	0	0	0	0	0	0	0	0
610	ALL	646241	4201180	2.17E-07	30YrCance	2.17E-07	0	0	0	0	0	0	0	0	0	0	0
611	ALL	646341	4201180	2.01E-07	30YrCance	2.01E-07	0	0	0	0	0	0	0	0	0	0	0
612	ALL	646441	4201180	1.86E-07	30YrCance	1.86E-07	0	0	0	0	0	0	0	0	0	0	0
613	ALL	646541	4201180	1.72E-07	30YrCance	1.72E-07	0	0	0	0	0	0	0	0	0	0	0
614	ALL	646641	4201180	1.58E-07	30YrCance	1.58E-07	0	0	0	0	0	0	0	0	0	0	0
615	ALL	646741	4201180	1.45E-07	30YrCance	1.45E-07	0	0	0	0	0	0	0	0	0	0	0
616	ALL	646841	4201180	1.33E-07	30YrCance	1.33E-07	0	0	0	0	0	0	0	0	0	0	0
617	ALL	646941	4201180	1.22E-07	30YrCance	1.22E-07	0	0	0	0	0	0	0	0	0	0	0
618	ALL	647041	4201180	1.12E-07	30YrCance	1.12E-07	0	0	0	0	0	0	0	0	0	0	0
619	ALL	647141	4201180	1.03E-07	30YrCance	1.03E-07	0	0	0	0	0	0	0	0	0	0	0
620	ALL	647241	4201180	9.49E-08	30YrCance	9.49E-08	0	0	0	0	0	0	0	0	0	0	0

621	ALL	647341	4201180	8.76E-08	30YrCance	8.76E-08	0	0	0	0	0	0	0	0	0	0	0
622	ALL	644341	4201280	7.18E-08	30YrCance	7.18E-08	0	0	0	0	0	0	0	0	0	0	0
623	ALL	644441	4201280	7.95E-08	30YrCance	7.95E-08	0	0	0	0	0	0	0	0	0	0	0
624	ALL	644541	4201280	8.86E-08	30YrCance	8.86E-08	0	0	0	0	0	0	0	0	0	0	0
625	ALL	644641	4201280	9.93E-08	30YrCance	9.93E-08	0	0	0	0	0	0	0	0	0	0	0
626	ALL	644741	4201280	1.12E-07	30YrCance	1.12E-07	0	0	0	0	0	0	0	0	0	0	0
627	ALL	644841	4201280	1.28E-07	30YrCance	1.28E-07	0	0	0	0	0	0	0	0	0	0	0
628	ALL	644941	4201280	1.46E-07	30YrCance	1.46E-07	0	0	0	0	0	0	0	0	0	0	0
629	ALL	645041	4201280	1.69E-07	30YrCance	1.69E-07	0	0	0	0	0	0	0	0	0	0	0
630	ALL	645141	4201280	1.97E-07	30YrCance	1.97E-07	0	0	0	0	0	0	0	0	0	0	0
631	ALL	645241	4201280	2.31E-07	30YrCance	2.31E-07	0	0	0	0	0	0	0	0	0	0	0
632	ALL	645341	4201280	2.67E-07	30YrCance	2.67E-07	0	0	0	0	0	0	0	0	0	0	0
633	ALL	645441	4201280	2.99E-07	30YrCance	2.99E-07	0	0	0	0	0	0	0	0	0	0	0
634	ALL	645541	4201280	3.15E-07	30YrCance	3.15E-07	0	0	0	0	0	0	0	0	0	0	0
635	ALL	645641	4201280	3.02E-07	30YrCance	3.02E-07	0	0	0	0	0	0	0	0	0	0	0
636	ALL	645741	4201280	2.63E-07	30YrCance	2.63E-07	0	0	0	0	0	0	0	0	0	0	0
637	ALL	645841	4201280	2.22E-07	30YrCance	2.22E-07	0	0	0	0	0	0	0	0	0	0	0
638	ALL	645941	4201280	1.97E-07	30YrCance	1.97E-07	0	0	0	0	0	0	0	0	0	0	0
639	ALL	646041	4201280	1.79E-07	30YrCance	1.79E-07	0	0	0	0	0	0	0	0	0	0	0
640	ALL	646141	4201280	1.66E-07	30YrCance	1.66E-07	0	0	0	0	0	0	0	0	0	0	0
641	ALL	646241	4201280	1.54E-07	30YrCance	1.54E-07	0	0	0	0	0	0	0	0	0	0	0
642	ALL	646341	4201280	1.44E-07	30YrCance	1.44E-07	0	0	0	0	0	0	0	0	0	0	0
643	ALL	646441	4201280	1.36E-07	30YrCance	1.36E-07	0	0	0	0	0	0	0	0	0	0	0
644	ALL	646541	4201280	1.28E-07	30YrCance	1.28E-07	0	0	0	0	0	0	0	0	0	0	0
645	ALL	646641	4201280	1.21E-07	30YrCance	1.21E-07	0	0	0	0	0	0	0	0	0	0	0
646	ALL	646741	4201280	1.13E-07	30YrCance	1.13E-07	0	0	0	0	0	0	0	0	0	0	0
647	ALL	646841	4201280	1.06E-07	30YrCance	1.06E-07	0	0	0	0	0	0	0	0	0	0	0
648	ALL	646941	4201280	9.95E-08	30YrCance	9.95E-08	0	0	0	0	0	0	0	0	0	0	0
649	ALL	647041	4201280	9.31E-08	30YrCance	9.31E-08	0	0	0	0	0	0	0	0	0	0	0
650	ALL	647141	4201280	8.70E-08	30YrCance	8.70E-08	0	0	0	0	0	0	0	0	0	0	0
651	ALL	647241	4201280	8.13E-08	30YrCance	8.13E-08	0	0	0	0	0	0	0	0	0	0	0
652	ALL	647341	4201280	7.61E-08	30YrCance	7.61E-08	0	0	0	0	0	0	0	0	0	0	0
653	ALL	644341	4201380	6.92E-08	30YrCance	6.92E-08	0	0	0	0	0	0	0	0	0	0	0
654	ALL	644441	4201380	7.63E-08	30YrCance	7.63E-08	0	0	0	0	0	0	0	0	0	0	0
655	ALL	644541	4201380	8.45E-08	30YrCance	8.45E-08	0	0	0	0	0	0	0	0	0	0	0
656	ALL	644641	4201380	9.41E-08	30YrCance	9.41E-08	0	0	0	0	0	0	0	0	0	0	0
657	ALL	644741	4201380	1.05E-07	30YrCance	1.05E-07	0	0	0	0	0	0	0	0	0	0	0
658	ALL	644841	4201380	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
659	ALL	644941	4201380	1.35E-07	30YrCance	1.35E-07	0	0	0	0	0	0	0	0	0	0	0
660	ALL	645041	4201380	1.53E-07	30YrCance	1.53E-07	0	0	0	0	0	0	0	0	0	0	0
661	ALL	645141	4201380	1.75E-07	30YrCance	1.75E-07	0	0	0	0	0	0	0	0	0	0	0
662	ALL	645241	4201380	1.97E-07	30YrCance	1.97E-07	0	0	0	0	0	0	0	0	0	0	0
663	ALL	645341	4201380	2.17E-07	30YrCance	2.17E-07	0	0	0	0	0	0	0	0	0	0	0
664	ALL	645441	4201380	2.29E-07	30YrCance	2.29E-07	0	0	0	0	0	0	0	0	0	0	0
665	ALL	645541	4201380	2.27E-07	30YrCance	2.27E-07	0	0	0	0	0	0	0	0	0	0	0
666	ALL	645641	4201380	2.08E-07	30YrCance	2.08E-07	0	0	0	0	0	0	0	0	0	0	0
667	ALL	645741	4201380	1.80E-07	30YrCance	1.80E-07	0	0	0	0	0	0	0	0	0	0	0
668	ALL	645841	4201380	1.57E-07	30YrCance	1.57E-07	0	0	0	0	0	0	0	0	0	0	0

669	ALL	645941	4201380	1.43E-07	30YrCance	1.43E-07	0	0	0	0	0	0	0	0	0	0	0
670	ALL	646041	4201380	1.33E-07	30YrCance	1.33E-07	0	0	0	0	0	0	0	0	0	0	0
671	ALL	646141	4201380	1.24E-07	30YrCance	1.24E-07	0	0	0	0	0	0	0	0	0	0	0
672	ALL	646241	4201380	1.17E-07	30YrCance	1.17E-07	0	0	0	0	0	0	0	0	0	0	0
673	ALL	646341	4201380	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
674	ALL	646441	4201380	1.04E-07	30YrCance	1.04E-07	0	0	0	0	0	0	0	0	0	0	0
675	ALL	646541	4201380	9.91E-08	30YrCance	9.91E-08	0	0	0	0	0	0	0	0	0	0	0
676	ALL	646641	4201380	9.43E-08	30YrCance	9.43E-08	0	0	0	0	0	0	0	0	0	0	0
677	ALL	646741	4201380	8.98E-08	30YrCance	8.98E-08	0	0	0	0	0	0	0	0	0	0	0
678	ALL	646841	4201380	8.55E-08	30YrCance	8.55E-08	0	0	0	0	0	0	0	0	0	0	0
679	ALL	646941	4201380	8.12E-08	30YrCance	8.12E-08	0	0	0	0	0	0	0	0	0	0	0
680	ALL	647041	4201380	7.71E-08	30YrCance	7.71E-08	0	0	0	0	0	0	0	0	0	0	0
681	ALL	647141	4201380	7.31E-08	30YrCance	7.31E-08	0	0	0	0	0	0	0	0	0	0	0
682	ALL	647241	4201380	6.92E-08	30YrCance	6.92E-08	0	0	0	0	0	0	0	0	0	0	0
683	ALL	647341	4201380	6.55E-08	30YrCance	6.55E-08	0	0	0	0	0	0	0	0	0	0	0
684	ALL	644341	4201480	6.64E-08	30YrCance	6.64E-08	0	0	0	0	0	0	0	0	0	0	0
685	ALL	644441	4201480	7.28E-08	30YrCance	7.28E-08	0	0	0	0	0	0	0	0	0	0	0
686	ALL	644541	4201480	8.02E-08	30YrCance	8.02E-08	0	0	0	0	0	0	0	0	0	0	0
687	ALL	644641	4201480	8.87E-08	30YrCance	8.87E-08	0	0	0	0	0	0	0	0	0	0	0
688	ALL	644741	4201480	9.86E-08	30YrCance	9.86E-08	0	0	0	0	0	0	0	0	0	0	0
689	ALL	644841	4201480	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
690	ALL	644941	4201480	1.23E-07	30YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
691	ALL	645041	4201480	1.38E-07	30YrCance	1.38E-07	0	0	0	0	0	0	0	0	0	0	0
692	ALL	645141	4201480	1.53E-07	30YrCance	1.53E-07	0	0	0	0	0	0	0	0	0	0	0
693	ALL	645241	4201480	1.66E-07	30YrCance	1.66E-07	0	0	0	0	0	0	0	0	0	0	0
694	ALL	645341	4201480	1.75E-07	30YrCance	1.75E-07	0	0	0	0	0	0	0	0	0	0	0
695	ALL	645441	4201480	1.76E-07	30YrCance	1.76E-07	0	0	0	0	0	0	0	0	0	0	0
696	ALL	645541	4201480	1.67E-07	30YrCance	1.67E-07	0	0	0	0	0	0	0	0	0	0	0
697	ALL	645641	4201480	1.51E-07	30YrCance	1.51E-07	0	0	0	0	0	0	0	0	0	0	0
698	ALL	645741	4201480	1.32E-07	30YrCance	1.32E-07	0	0	0	0	0	0	0	0	0	0	0
699	ALL	645841	4201480	1.19E-07	30YrCance	1.19E-07	0	0	0	0	0	0	0	0	0	0	0
700	ALL	645941	4201480	1.10E-07	30YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
701	ALL	646041	4201480	1.04E-07	30YrCance	1.04E-07	0	0	0	0	0	0	0	0	0	0	0
702	ALL	646141	4201480	9.75E-08	30YrCance	9.75E-08	0	0	0	0	0	0	0	0	0	0	0
703	ALL	646241	4201480	9.24E-08	30YrCance	9.24E-08	0	0	0	0	0	0	0	0	0	0	0
704	ALL	646341	4201480	8.76E-08	30YrCance	8.76E-08	0	0	0	0	0	0	0	0	0	0	0
705	ALL	646441	4201480	8.33E-08	30YrCance	8.33E-08	0	0	0	0	0	0	0	0	0	0	0
706	ALL	646541	4201480	7.95E-08	30YrCance	7.95E-08	0	0	0	0	0	0	0	0	0	0	0
707	ALL	646641	4201480	7.61E-08	30YrCance	7.61E-08	0	0	0	0	0	0	0	0	0	0	0
708	ALL	646741	4201480	7.29E-08	30YrCance	7.29E-08	0	0	0	0	0	0	0	0	0	0	0
709	ALL	646841	4201480	7.00E-08	30YrCance	7.00E-08	0	0	0	0	0	0	0	0	0	0	0
710	ALL	646941	4201480	6.71E-08	30YrCance	6.71E-08	0	0	0	0	0	0	0	0	0	0	0
711	ALL	647041	4201480	6.43E-08	30YrCance	6.43E-08	0	0	0	0	0	0	0	0	0	0	0
712	ALL	647141	4201480	6.16E-08	30YrCance	6.16E-08	0	0	0	0	0	0	0	0	0	0	0
713	ALL	647241	4201480	5.90E-08	30YrCance	5.90E-08	0	0	0	0	0	0	0	0	0	0	0
714	ALL	647341	4201480	5.64E-08	30YrCance	5.64E-08	0	0	0	0	0	0	0	0	0	0	0
715	ALL	644341	4201580	6.34E-08	30YrCance	6.34E-08	0	0	0	0	0	0	0	0	0	0	0
716	ALL	644441	4201580	6.92E-08	30YrCance	6.92E-08	0	0	0	0	0	0	0	0	0	0	0

717	ALL	644541	4201580	7.58E-08	30YrCance	7.58E-08	0	0	0	0	0	0	0	0	0	0	0
718	ALL	644641	4201580	8.34E-08	30YrCance	8.34E-08	0	0	0	0	0	0	0	0	0	0	0
719	ALL	644741	4201580	9.20E-08	30YrCance	9.20E-08	0	0	0	0	0	0	0	0	0	0	0
720	ALL	644841	4201580	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
721	ALL	644941	4201580	1.12E-07	30YrCance	1.12E-07	0	0	0	0	0	0	0	0	0	0	0
722	ALL	645041	4201580	1.22E-07	30YrCance	1.22E-07	0	0	0	0	0	0	0	0	0	0	0
723	ALL	645141	4201580	1.32E-07	30YrCance	1.32E-07	0	0	0	0	0	0	0	0	0	0	0
724	ALL	645241	4201580	1.38E-07	30YrCance	1.38E-07	0	0	0	0	0	0	0	0	0	0	0
725	ALL	645341	4201580	1.41E-07	30YrCance	1.41E-07	0	0	0	0	0	0	0	0	0	0	0
726	ALL	645441	4201580	1.37E-07	30YrCance	1.37E-07	0	0	0	0	0	0	0	0	0	0	0
727	ALL	645541	4201580	1.27E-07	30YrCance	1.27E-07	0	0	0	0	0	0	0	0	0	0	0
728	ALL	645641	4201580	1.15E-07	30YrCance	1.15E-07	0	0	0	0	0	0	0	0	0	0	0
729	ALL	645741	4201580	1.02E-07	30YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
730	ALL	645841	4201580	9.31E-08	30YrCance	9.31E-08	0	0	0	0	0	0	0	0	0	0	0
731	ALL	645941	4201580	8.74E-08	30YrCance	8.74E-08	0	0	0	0	0	0	0	0	0	0	0
732	ALL	646041	4201580	8.31E-08	30YrCance	8.31E-08	0	0	0	0	0	0	0	0	0	0	0
733	ALL	646141	4201580	7.89E-08	30YrCance	7.89E-08	0	0	0	0	0	0	0	0	0	0	0
734	ALL	646241	4201580	7.51E-08	30YrCance	7.51E-08	0	0	0	0	0	0	0	0	0	0	0
735	ALL	646341	4201580	7.18E-08	30YrCance	7.18E-08	0	0	0	0	0	0	0	0	0	0	0
736	ALL	646441	4201580	6.86E-08	30YrCance	6.86E-08	0	0	0	0	0	0	0	0	0	0	0
737	ALL	646541	4201580	6.57E-08	30YrCance	6.57E-08	0	0	0	0	0	0	0	0	0	0	0
738	ALL	646641	4201580	6.31E-08	30YrCance	6.31E-08	0	0	0	0	0	0	0	0	0	0	0
739	ALL	646741	4201580	6.07E-08	30YrCance	6.07E-08	0	0	0	0	0	0	0	0	0	0	0
740	ALL	646841	4201580	5.84E-08	30YrCance	5.84E-08	0	0	0	0	0	0	0	0	0	0	0
741	ALL	646941	4201580	5.63E-08	30YrCance	5.63E-08	0	0	0	0	0	0	0	0	0	0	0
742	ALL	647041	4201580	5.43E-08	30YrCance	5.43E-08	0	0	0	0	0	0	0	0	0	0	0
743	ALL	647141	4201580	5.24E-08	30YrCance	5.24E-08	0	0	0	0	0	0	0	0	0	0	0
744	ALL	647241	4201580	5.05E-08	30YrCance	5.05E-08	0	0	0	0	0	0	0	0	0	0	0
745	ALL	647341	4201580	4.86E-08	30YrCance	4.86E-08	0	0	0	0	0	0	0	0	0	0	0
746	ALL	644341	4201680	6.05E-08	30YrCance	6.05E-08	0	0	0	0	0	0	0	0	0	0	0
747	ALL	644441	4201680	6.57E-08	30YrCance	6.57E-08	0	0	0	0	0	0	0	0	0	0	0
748	ALL	644541	4201680	7.16E-08	30YrCance	7.16E-08	0	0	0	0	0	0	0	0	0	0	0
749	ALL	644641	4201680	7.82E-08	30YrCance	7.82E-08	0	0	0	0	0	0	0	0	0	0	0
750	ALL	644741	4201680	8.55E-08	30YrCance	8.55E-08	0	0	0	0	0	0	0	0	0	0	0
751	ALL	644841	4201680	9.31E-08	30YrCance	9.31E-08	0	0	0	0	0	0	0	0	0	0	0
752	ALL	644941	4201680	1.01E-07	30YrCance	1.01E-07	0	0	0	0	0	0	0	0	0	0	0
753	ALL	645041	4201680	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
754	ALL	645141	4201680	1.13E-07	30YrCance	1.13E-07	0	0	0	0	0	0	0	0	0	0	0
755	ALL	645241	4201680	1.15E-07	30YrCance	1.15E-07	0	0	0	0	0	0	0	0	0	0	0
756	ALL	645341	4201680	1.14E-07	30YrCance	1.14E-07	0	0	0	0	0	0	0	0	0	0	0
757	ALL	645441	4201680	1.08E-07	30YrCance	1.08E-07	0	0	0	0	0	0	0	0	0	0	0
758	ALL	645541	4201680	9.99E-08	30YrCance	9.99E-08	0	0	0	0	0	0	0	0	0	0	0
759	ALL	645641	4201680	9.02E-08	30YrCance	9.02E-08	0	0	0	0	0	0	0	0	0	0	0
760	ALL	645741	4201680	8.15E-08	30YrCance	8.15E-08	0	0	0	0	0	0	0	0	0	0	0
761	ALL	645841	4201680	7.55E-08	30YrCance	7.55E-08	0	0	0	0	0	0	0	0	0	0	0
762	ALL	645941	4201680	7.15E-08	30YrCance	7.15E-08	0	0	0	0	0	0	0	0	0	0	0
763	ALL	646041	4201680	6.85E-08	30YrCance	6.85E-08	0	0	0	0	0	0	0	0	0	0	0
764	ALL	646141	4201680	6.55E-08	30YrCance	6.55E-08	0	0	0	0	0	0	0	0	0	0	0

765	ALL	646241	4201680	6.27E-08	30YrCance	6.27E-08	0	0	0	0	0	0	0	0	0	0	0
766	ALL	646341	4201680	6.00E-08	30YrCance	6.00E-08	0	0	0	0	0	0	0	0	0	0	0
767	ALL	646441	4201680	5.77E-08	30YrCance	5.77E-08	0	0	0	0	0	0	0	0	0	0	0
768	ALL	646541	4201680	5.54E-08	30YrCance	5.54E-08	0	0	0	0	0	0	0	0	0	0	0
769	ALL	646641	4201680	5.33E-08	30YrCance	5.33E-08	0	0	0	0	0	0	0	0	0	0	0
770	ALL	646741	4201680	5.15E-08	30YrCance	5.15E-08	0	0	0	0	0	0	0	0	0	0	0
771	ALL	646841	4201680	4.97E-08	30YrCance	4.97E-08	0	0	0	0	0	0	0	0	0	0	0
772	ALL	646941	4201680	4.81E-08	30YrCance	4.81E-08	0	0	0	0	0	0	0	0	0	0	0
773	ALL	647041	4201680	4.65E-08	30YrCance	4.65E-08	0	0	0	0	0	0	0	0	0	0	0
774	ALL	647141	4201680	4.51E-08	30YrCance	4.51E-08	0	0	0	0	0	0	0	0	0	0	0
775	ALL	647241	4201680	4.36E-08	30YrCance	4.36E-08	0	0	0	0	0	0	0	0	0	0	0
776	ALL	647341	4201680	4.22E-08	30YrCance	4.22E-08	0	0	0	0	0	0	0	0	0	0	0
777	ALL	644341	4201780	5.76E-08	30YrCance	5.76E-08	0	0	0	0	0	0	0	0	0	0	0
778	ALL	644441	4201780	6.23E-08	30YrCance	6.23E-08	0	0	0	0	0	0	0	0	0	0	0
779	ALL	644541	4201780	6.75E-08	30YrCance	6.75E-08	0	0	0	0	0	0	0	0	0	0	0
780	ALL	644641	4201780	7.31E-08	30YrCance	7.31E-08	0	0	0	0	0	0	0	0	0	0	0
781	ALL	644741	4201780	7.90E-08	30YrCance	7.90E-08	0	0	0	0	0	0	0	0	0	0	0
782	ALL	644841	4201780	8.48E-08	30YrCance	8.48E-08	0	0	0	0	0	0	0	0	0	0	0
783	ALL	644941	4201780	9.00E-08	30YrCance	9.00E-08	0	0	0	0	0	0	0	0	0	0	0
784	ALL	645041	4201780	9.40E-08	30YrCance	9.40E-08	0	0	0	0	0	0	0	0	0	0	0
785	ALL	645141	4201780	9.62E-08	30YrCance	9.62E-08	0	0	0	0	0	0	0	0	0	0	0
786	ALL	645241	4201780	9.59E-08	30YrCance	9.59E-08	0	0	0	0	0	0	0	0	0	0	0
787	ALL	645341	4201780	9.30E-08	30YrCance	9.30E-08	0	0	0	0	0	0	0	0	0	0	0
788	ALL	645441	4201780	8.75E-08	30YrCance	8.75E-08	0	0	0	0	0	0	0	0	0	0	0
789	ALL	645541	4201780	8.04E-08	30YrCance	8.04E-08	0	0	0	0	0	0	0	0	0	0	0
790	ALL	645641	4201780	7.30E-08	30YrCance	7.30E-08	0	0	0	0	0	0	0	0	0	0	0
791	ALL	645741	4201780	6.69E-08	30YrCance	6.69E-08	0	0	0	0	0	0	0	0	0	0	0
792	ALL	645841	4201780	6.26E-08	30YrCance	6.26E-08	0	0	0	0	0	0	0	0	0	0	0
793	ALL	645941	4201780	5.97E-08	30YrCance	5.97E-08	0	0	0	0	0	0	0	0	0	0	0
794	ALL	646041	4201780	5.75E-08	30YrCance	5.75E-08	0	0	0	0	0	0	0	0	0	0	0
795	ALL	646141	4201780	5.54E-08	30YrCance	5.54E-08	0	0	0	0	0	0	0	0	0	0	0
796	ALL	646241	4201780	5.32E-08	30YrCance	5.32E-08	0	0	0	0	0	0	0	0	0	0	0
797	ALL	646341	4201780	5.12E-08	30YrCance	5.12E-08	0	0	0	0	0	0	0	0	0	0	0
798	ALL	646441	4201780	4.93E-08	30YrCance	4.93E-08	0	0	0	0	0	0	0	0	0	0	0
799	ALL	646541	4201780	4.75E-08	30YrCance	4.75E-08	0	0	0	0	0	0	0	0	0	0	0
800	ALL	646641	4201780	4.58E-08	30YrCance	4.58E-08	0	0	0	0	0	0	0	0	0	0	0
801	ALL	646741	4201780	4.43E-08	30YrCance	4.43E-08	0	0	0	0	0	0	0	0	0	0	0
802	ALL	646841	4201780	4.29E-08	30YrCance	4.29E-08	0	0	0	0	0	0	0	0	0	0	0
803	ALL	646941	4201780	4.16E-08	30YrCance	4.16E-08	0	0	0	0	0	0	0	0	0	0	0
804	ALL	647041	4201780	4.04E-08	30YrCance	4.04E-08	0	0	0	0	0	0	0	0	0	0	0
805	ALL	647141	4201780	3.92E-08	30YrCance	3.92E-08	0	0	0	0	0	0	0	0	0	0	0
806	ALL	647241	4201780	3.81E-08	30YrCance	3.81E-08	0	0	0	0	0	0	0	0	0	0	0
807	ALL	647341	4201780	3.70E-08	30YrCance	3.70E-08	0	0	0	0	0	0	0	0	0	0	0
808	ALL	644341	4201880	5.48E-08	30YrCance	5.48E-08	0	0	0	0	0	0	0	0	0	0	0
809	ALL	644441	4201880	5.90E-08	30YrCance	5.90E-08	0	0	0	0	0	0	0	0	0	0	0
810	ALL	644541	4201880	6.34E-08	30YrCance	6.34E-08	0	0	0	0	0	0	0	0	0	0	0
811	ALL	644641	4201880	6.80E-08	30YrCance	6.80E-08	0	0	0	0	0	0	0	0	0	0	0
812	ALL	644741	4201880	7.25E-08	30YrCance	7.25E-08	0	0	0	0	0	0	0	0	0	0	0

813	ALL	644841	4201880	7.66E-08	30YrCance	7.66E-08	0	0	0	0	0	0	0	0	0	0	0
814	ALL	644941	4201880	7.97E-08	30YrCance	7.97E-08	0	0	0	0	0	0	0	0	0	0	0
815	ALL	645041	4201880	8.17E-08	30YrCance	8.17E-08	0	0	0	0	0	0	0	0	0	0	0
816	ALL	645141	4201880	8.20E-08	30YrCance	8.20E-08	0	0	0	0	0	0	0	0	0	0	0
817	ALL	645241	4201880	8.04E-08	30YrCance	8.04E-08	0	0	0	0	0	0	0	0	0	0	0
818	ALL	645341	4201880	7.70E-08	30YrCance	7.70E-08	0	0	0	0	0	0	0	0	0	0	0
819	ALL	645441	4201880	7.20E-08	30YrCance	7.20E-08	0	0	0	0	0	0	0	0	0	0	0
820	ALL	645541	4201880	6.61E-08	30YrCance	6.61E-08	0	0	0	0	0	0	0	0	0	0	0
821	ALL	645641	4201880	6.05E-08	30YrCance	6.05E-08	0	0	0	0	0	0	0	0	0	0	0
822	ALL	645741	4201880	5.61E-08	30YrCance	5.61E-08	0	0	0	0	0	0	0	0	0	0	0
823	ALL	645841	4201880	5.30E-08	30YrCance	5.30E-08	0	0	0	0	0	0	0	0	0	0	0
824	ALL	645941	4201880	5.09E-08	30YrCance	5.09E-08	0	0	0	0	0	0	0	0	0	0	0
825	ALL	646041	4201880	4.92E-08	30YrCance	4.92E-08	0	0	0	0	0	0	0	0	0	0	0
826	ALL	646141	4201880	4.76E-08	30YrCance	4.76E-08	0	0	0	0	0	0	0	0	0	0	0
827	ALL	646241	4201880	4.59E-08	30YrCance	4.59E-08	0	0	0	0	0	0	0	0	0	0	0
828	ALL	646341	4201880	4.43E-08	30YrCance	4.43E-08	0	0	0	0	0	0	0	0	0	0	0
829	ALL	646441	4201880	4.28E-08	30YrCance	4.28E-08	0	0	0	0	0	0	0	0	0	0	0
830	ALL	646541	4201880	4.14E-08	30YrCance	4.14E-08	0	0	0	0	0	0	0	0	0	0	0
831	ALL	646641	4201880	4.00E-08	30YrCance	4.00E-08	0	0	0	0	0	0	0	0	0	0	0
832	ALL	646741	4201880	3.87E-08	30YrCance	3.87E-08	0	0	0	0	0	0	0	0	0	0	0
833	ALL	646841	4201880	3.76E-08	30YrCance	3.76E-08	0	0	0	0	0	0	0	0	0	0	0
834	ALL	646941	4201880	3.65E-08	30YrCance	3.65E-08	0	0	0	0	0	0	0	0	0	0	0
835	ALL	647041	4201880	3.55E-08	30YrCance	3.55E-08	0	0	0	0	0	0	0	0	0	0	0
836	ALL	647141	4201880	3.45E-08	30YrCance	3.45E-08	0	0	0	0	0	0	0	0	0	0	0
837	ALL	647241	4201880	3.36E-08	30YrCance	3.36E-08	0	0	0	0	0	0	0	0	0	0	0
838	ALL	647341	4201880	3.27E-08	30YrCance	3.27E-08	0	0	0	0	0	0	0	0	0	0	0
839	ALL	644341	4201980	5.21E-08	30YrCance	5.21E-08	0	0	0	0	0	0	0	0	0	0	0
840	ALL	644441	4201980	5.57E-08	30YrCance	5.57E-08	0	0	0	0	0	0	0	0	0	0	0
841	ALL	644541	4201980	5.93E-08	30YrCance	5.93E-08	0	0	0	0	0	0	0	0	0	0	0
842	ALL	644641	4201980	6.29E-08	30YrCance	6.29E-08	0	0	0	0	0	0	0	0	0	0	0
843	ALL	644741	4201980	6.61E-08	30YrCance	6.61E-08	0	0	0	0	0	0	0	0	0	0	0
844	ALL	644841	4201980	6.87E-08	30YrCance	6.87E-08	0	0	0	0	0	0	0	0	0	0	0
845	ALL	644941	4201980	7.03E-08	30YrCance	7.03E-08	0	0	0	0	0	0	0	0	0	0	0
846	ALL	645041	4201980	7.09E-08	30YrCance	7.09E-08	0	0	0	0	0	0	0	0	0	0	0
847	ALL	645141	4201980	7.01E-08	30YrCance	7.01E-08	0	0	0	0	0	0	0	0	0	0	0
848	ALL	645241	4201980	6.79E-08	30YrCance	6.79E-08	0	0	0	0	0	0	0	0	0	0	0
849	ALL	645341	4201980	6.45E-08	30YrCance	6.45E-08	0	0	0	0	0	0	0	0	0	0	0
850	ALL	645441	4201980	6.01E-08	30YrCance	6.01E-08	0	0	0	0	0	0	0	0	0	0	0
851	ALL	645541	4201980	5.54E-08	30YrCance	5.54E-08	0	0	0	0	0	0	0	0	0	0	0
852	ALL	645641	4201980	5.12E-08	30YrCance	5.12E-08	0	0	0	0	0	0	0	0	0	0	0
853	ALL	645741	4201980	4.79E-08	30YrCance	4.79E-08	0	0	0	0	0	0	0	0	0	0	0
854	ALL	645841	4201980	4.56E-08	30YrCance	4.56E-08	0	0	0	0	0	0	0	0	0	0	0
855	ALL	645941	4201980	4.40E-08	30YrCance	4.40E-08	0	0	0	0	0	0	0	0	0	0	0
856	ALL	646041	4201980	4.27E-08	30YrCance	4.27E-08	0	0	0	0	0	0	0	0	0	0	0
857	ALL	646141	4201980	4.14E-08	30YrCance	4.14E-08	0	0	0	0	0	0	0	0	0	0	0
858	ALL	646241	4201980	4.01E-08	30YrCance	4.01E-08	0	0	0	0	0	0	0	0	0	0	0
859	ALL	646341	4201980	3.88E-08	30YrCance	3.88E-08	0	0	0	0	0	0	0	0	0	0	0
860	ALL	646441	4201980	3.76E-08	30YrCance	3.76E-08	0	0	0	0	0	0	0	0	0	0	0

861	ALL	646541	4201980	3.64E-08	30YrCance	3.64E-08	0	0	0	0	0	0	0	0	0	0	0
862	ALL	646641	4201980	3.53E-08	30YrCance	3.53E-08	0	0	0	0	0	0	0	0	0	0	0
863	ALL	646741	4201980	3.42E-08	30YrCance	3.42E-08	0	0	0	0	0	0	0	0	0	0	0
864	ALL	646841	4201980	3.33E-08	30YrCance	3.33E-08	0	0	0	0	0	0	0	0	0	0	0
865	ALL	646941	4201980	3.24E-08	30YrCance	3.24E-08	0	0	0	0	0	0	0	0	0	0	0
866	ALL	647041	4201980	3.15E-08	30YrCance	3.15E-08	0	0	0	0	0	0	0	0	0	0	0
867	ALL	647141	4201980	3.07E-08	30YrCance	3.07E-08	0	0	0	0	0	0	0	0	0	0	0
868	ALL	647241	4201980	2.99E-08	30YrCance	2.99E-08	0	0	0	0	0	0	0	0	0	0	0
869	ALL	647341	4201980	2.92E-08	30YrCance	2.92E-08	0	0	0	0	0	0	0	0	0	0	0
870	ALL	644341	4202080	4.93E-08	30YrCance	4.93E-08	0	0	0	0	0	0	0	0	0	0	0
871	ALL	644441	4202080	5.23E-08	30YrCance	5.23E-08	0	0	0	0	0	0	0	0	0	0	0
872	ALL	644541	4202080	5.52E-08	30YrCance	5.52E-08	0	0	0	0	0	0	0	0	0	0	0
873	ALL	644641	4202080	5.78E-08	30YrCance	5.78E-08	0	0	0	0	0	0	0	0	0	0	0
874	ALL	644741	4202080	5.99E-08	30YrCance	5.99E-08	0	0	0	0	0	0	0	0	0	0	0
875	ALL	644841	4202080	6.13E-08	30YrCance	6.13E-08	0	0	0	0	0	0	0	0	0	0	0
876	ALL	644941	4202080	6.20E-08	30YrCance	6.20E-08	0	0	0	0	0	0	0	0	0	0	0
877	ALL	645041	4202080	6.16E-08	30YrCance	6.16E-08	0	0	0	0	0	0	0	0	0	0	0
878	ALL	645141	4202080	6.02E-08	30YrCance	6.02E-08	0	0	0	0	0	0	0	0	0	0	0
879	ALL	645241	4202080	5.79E-08	30YrCance	5.79E-08	0	0	0	0	0	0	0	0	0	0	0
880	ALL	645341	4202080	5.47E-08	30YrCance	5.47E-08	0	0	0	0	0	0	0	0	0	0	0
881	ALL	645441	4202080	5.11E-08	30YrCance	5.11E-08	0	0	0	0	0	0	0	0	0	0	0
882	ALL	645541	4202080	4.73E-08	30YrCance	4.73E-08	0	0	0	0	0	0	0	0	0	0	0
883	ALL	645641	4202080	4.40E-08	30YrCance	4.40E-08	0	0	0	0	0	0	0	0	0	0	0
884	ALL	645741	4202080	4.15E-08	30YrCance	4.15E-08	0	0	0	0	0	0	0	0	0	0	0
885	ALL	645841	4202080	3.97E-08	30YrCance	3.97E-08	0	0	0	0	0	0	0	0	0	0	0
886	ALL	645941	4202080	3.84E-08	30YrCance	3.84E-08	0	0	0	0	0	0	0	0	0	0	0
887	ALL	646041	4202080	3.74E-08	30YrCance	3.74E-08	0	0	0	0	0	0	0	0	0	0	0
888	ALL	646141	4202080	3.64E-08	30YrCance	3.64E-08	0	0	0	0	0	0	0	0	0	0	0
889	ALL	646241	4202080	3.54E-08	30YrCance	3.54E-08	0	0	0	0	0	0	0	0	0	0	0
890	ALL	646341	4202080	3.43E-08	30YrCance	3.43E-08	0	0	0	0	0	0	0	0	0	0	0
891	ALL	646441	4202080	3.33E-08	30YrCance	3.33E-08	0	0	0	0	0	0	0	0	0	0	0
892	ALL	646541	4202080	3.23E-08	30YrCance	3.23E-08	0	0	0	0	0	0	0	0	0	0	0
893	ALL	646641	4202080	3.14E-08	30YrCance	3.14E-08	0	0	0	0	0	0	0	0	0	0	0
894	ALL	646741	4202080	3.05E-08	30YrCance	3.05E-08	0	0	0	0	0	0	0	0	0	0	0
895	ALL	646841	4202080	2.97E-08	30YrCance	2.97E-08	0	0	0	0	0	0	0	0	0	0	0
896	ALL	646941	4202080	2.89E-08	30YrCance	2.89E-08	0	0	0	0	0	0	0	0	0	0	0
897	ALL	647041	4202080	2.82E-08	30YrCance	2.82E-08	0	0	0	0	0	0	0	0	0	0	0
898	ALL	647141	4202080	2.75E-08	30YrCance	2.75E-08	0	0	0	0	0	0	0	0	0	0	0
899	ALL	647241	4202080	2.69E-08	30YrCance	2.69E-08	0	0	0	0	0	0	0	0	0	0	0
900	ALL	647341	4202080	2.63E-08	30YrCance	2.63E-08	0	0	0	0	0	0	0	0	0	0	0
901	ALL	644341	4202180	4.65E-08	30YrCance	4.65E-08	0	0	0	0	0	0	0	0	0	0	0
902	ALL	644441	4202180	4.89E-08	30YrCance	4.89E-08	0	0	0	0	0	0	0	0	0	0	0
903	ALL	644541	4202180	5.10E-08	30YrCance	5.10E-08	0	0	0	0	0	0	0	0	0	0	0
904	ALL	644641	4202180	5.28E-08	30YrCance	5.28E-08	0	0	0	0	0	0	0	0	0	0	0
905	ALL	644741	4202180	5.40E-08	30YrCance	5.40E-08	0	0	0	0	0	0	0	0	0	0	0
906	ALL	644841	4202180	5.46E-08	30YrCance	5.46E-08	0	0	0	0	0	0	0	0	0	0	0
907	ALL	644941	4202180	5.46E-08	30YrCance	5.46E-08	0	0	0	0	0	0	0	0	0	0	0
908	ALL	645041	4202180	5.37E-08	30YrCance	5.37E-08	0	0	0	0	0	0	0	0	0	0	0

909	ALL	645141	4202180	5.22E-08	30YrCance	5.22E-08	0	0	0	0	0	0	0	0	0	0	0
910	ALL	645241	4202180	4.99E-08	30YrCance	4.99E-08	0	0	0	0	0	0	0	0	0	0	0
911	ALL	645341	4202180	4.71E-08	30YrCance	4.71E-08	0	0	0	0	0	0	0	0	0	0	0
912	ALL	645441	4202180	4.39E-08	30YrCance	4.39E-08	0	0	0	0	0	0	0	0	0	0	0
913	ALL	645541	4202180	4.09E-08	30YrCance	4.09E-08	0	0	0	0	0	0	0	0	0	0	0
914	ALL	645641	4202180	3.83E-08	30YrCance	3.83E-08	0	0	0	0	0	0	0	0	0	0	0
915	ALL	645741	4202180	3.64E-08	30YrCance	3.64E-08	0	0	0	0	0	0	0	0	0	0	0
916	ALL	645841	4202180	3.50E-08	30YrCance	3.50E-08	0	0	0	0	0	0	0	0	0	0	0
917	ALL	645941	4202180	3.40E-08	30YrCance	3.40E-08	0	0	0	0	0	0	0	0	0	0	0
918	ALL	646041	4202180	3.31E-08	30YrCance	3.31E-08	0	0	0	0	0	0	0	0	0	0	0
919	ALL	646141	4202180	3.23E-08	30YrCance	3.23E-08	0	0	0	0	0	0	0	0	0	0	0
920	ALL	646241	4202180	3.15E-08	30YrCance	3.15E-08	0	0	0	0	0	0	0	0	0	0	0
921	ALL	646341	4202180	3.06E-08	30YrCance	3.06E-08	0	0	0	0	0	0	0	0	0	0	0
922	ALL	646441	4202180	2.98E-08	30YrCance	2.98E-08	0	0	0	0	0	0	0	0	0	0	0
923	ALL	646541	4202180	2.90E-08	30YrCance	2.90E-08	0	0	0	0	0	0	0	0	0	0	0
924	ALL	646641	4202180	2.82E-08	30YrCance	2.82E-08	0	0	0	0	0	0	0	0	0	0	0
925	ALL	646741	4202180	2.74E-08	30YrCance	2.74E-08	0	0	0	0	0	0	0	0	0	0	0
926	ALL	646841	4202180	2.67E-08	30YrCance	2.67E-08	0	0	0	0	0	0	0	0	0	0	0
927	ALL	646941	4202180	2.61E-08	30YrCance	2.61E-08	0	0	0	0	0	0	0	0	0	0	0
928	ALL	647041	4202180	2.55E-08	30YrCance	2.55E-08	0	0	0	0	0	0	0	0	0	0	0
929	ALL	647141	4202180	2.49E-08	30YrCance	2.49E-08	0	0	0	0	0	0	0	0	0	0	0
930	ALL	647241	4202180	2.43E-08	30YrCance	2.43E-08	0	0	0	0	0	0	0	0	0	0	0
931	ALL	647341	4202180	2.38E-08	30YrCance	2.38E-08	0	0	0	0	0	0	0	0	0	0	0
932	ALL	644341	4202280	4.37E-08	30YrCance	4.37E-08	0	0	0	0	0	0	0	0	0	0	0
933	ALL	644441	4202280	4.54E-08	30YrCance	4.54E-08	0	0	0	0	0	0	0	0	0	0	0
934	ALL	644541	4202280	4.69E-08	30YrCance	4.69E-08	0	0	0	0	0	0	0	0	0	0	0
935	ALL	644641	4202280	4.80E-08	30YrCance	4.80E-08	0	0	0	0	0	0	0	0	0	0	0
936	ALL	644741	4202280	4.86E-08	30YrCance	4.86E-08	0	0	0	0	0	0	0	0	0	0	0
937	ALL	644841	4202280	4.87E-08	30YrCance	4.87E-08	0	0	0	0	0	0	0	0	0	0	0
938	ALL	644941	4202280	4.82E-08	30YrCance	4.82E-08	0	0	0	0	0	0	0	0	0	0	0
939	ALL	645041	4202280	4.71E-08	30YrCance	4.71E-08	0	0	0	0	0	0	0	0	0	0	0
940	ALL	645141	4202280	4.55E-08	30YrCance	4.55E-08	0	0	0	0	0	0	0	0	0	0	0
941	ALL	645241	4202280	4.33E-08	30YrCance	4.33E-08	0	0	0	0	0	0	0	0	0	0	0
942	ALL	645341	4202280	4.08E-08	30YrCance	4.08E-08	0	0	0	0	0	0	0	0	0	0	0
943	ALL	645441	4202280	3.82E-08	30YrCance	3.82E-08	0	0	0	0	0	0	0	0	0	0	0
944	ALL	645541	4202280	3.57E-08	30YrCance	3.57E-08	0	0	0	0	0	0	0	0	0	0	0
945	ALL	645641	4202280	3.37E-08	30YrCance	3.37E-08	0	0	0	0	0	0	0	0	0	0	0
946	ALL	645741	4202280	3.22E-08	30YrCance	3.22E-08	0	0	0	0	0	0	0	0	0	0	0
947	ALL	645841	4202280	3.11E-08	30YrCance	3.11E-08	0	0	0	0	0	0	0	0	0	0	0
948	ALL	645941	4202280	3.03E-08	30YrCance	3.03E-08	0	0	0	0	0	0	0	0	0	0	0
949	ALL	646041	4202280	2.96E-08	30YrCance	2.96E-08	0	0	0	0	0	0	0	0	0	0	0
950	ALL	646141	4202280	2.89E-08	30YrCance	2.89E-08	0	0	0	0	0	0	0	0	0	0	0
951	ALL	646241	4202280	2.82E-08	30YrCance	2.82E-08	0	0	0	0	0	0	0	0	0	0	0
952	ALL	646341	4202280	2.75E-08	30YrCance	2.75E-08	0	0	0	0	0	0	0	0	0	0	0
953	ALL	646441	4202280	2.68E-08	30YrCance	2.68E-08	0	0	0	0	0	0	0	0	0	0	0
954	ALL	646541	4202280	2.61E-08	30YrCance	2.61E-08	0	0	0	0	0	0	0	0	0	0	0
955	ALL	646641	4202280	2.55E-08	30YrCance	2.55E-08	0	0	0	0	0	0	0	0	0	0	0
956	ALL	646741	4202280	2.48E-08	30YrCance	2.48E-08	0	0	0	0	0	0	0	0	0	0	0

957	ALL	646841	4202280	2.42E-08	30YrCance	2.42E-08	0	0	0	0	0	0	0	0	0	0	0
958	ALL	646941	4202280	2.37E-08	30YrCance	2.37E-08	0	0	0	0	0	0	0	0	0	0	0
959	ALL	647041	4202280	2.31E-08	30YrCance	2.31E-08	0	0	0	0	0	0	0	0	0	0	0
960	ALL	647141	4202280	2.26E-08	30YrCance	2.26E-08	0	0	0	0	0	0	0	0	0	0	0
961	ALL	647241	4202280	2.21E-08	30YrCance	2.21E-08	0	0	0	0	0	0	0	0	0	0	0
962	ALL	647341	4202280	2.17E-08	30YrCance	2.17E-08	0	0	0	0	0	0	0	0	0	0	0
963	ALL	645946	4200732	1.47E-05	30YrCance	1.47E-05	0	0	0	0	0	0	0	0	0	0	0
964	ALL	645933.7	4200897	4.34E-06	30YrCance	4.34E-06	0	0	0	0	0	0	0	0	0	0	0
965	ALL	645889.9	4200890	6.07E-06	30YrCance	6.07E-06	0	0	0	0	0	0	0	0	0	0	0
966	ALL	645847.2	4200866	8.01E-06	30YrCance	8.01E-06	0	0	0	0	0	0	0	0	0	0	0
967	ALL	645698	4200718	3.79E-06	30YrCance	3.79E-06	0	0	0	0	0	0	0	0	0	0	0

HARP2 - HRACalc (dated 22118) 12/6/2022 4:02:39 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

```
**********
TIER 2 SETTINGS
Tier2 not used.

**********

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA
STOCKTON\hra\ConstructionChronicNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA
STOCKTON\hra\ConstructionChronicNCChronicRiskSumByRec.csv
HRA ran successfully
```

**HARP - Air Dispersion Modeling and Risk Tool v22118

**12/6/2022

**Exported Risk Results

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		648148	4201091	NonCance	0	1.12E-14	0	3.05E-16	3.05E-16	1.57E-13	1.20E-05	0	1.91E-14	0	3.05E-16	4.99E-13	0	0	1.20E-05
2	ALL		646506.5	4202112	NonCance	0	1.04E-14	0	2.84E-16	2.84E-16	1.46E-13	7.13E-06	0	1.78E-14	0	2.84E-16	4.65E-13	0	0	7.13E-06
3	ALL		645939.2	4200707	NonCance	0	5.51E-13	0	1.53E-14	1.53E-14	7.88E-12	0.002573	0	9.48E-13	0	1.53E-14	2.51E-11	0	0	0.002573
4	ALL		644341	4199280	NonCance	0	6.34E-15	0	1.73E-16	1.73E-16	8.89E-14	6.00E-06	0	1.08E-14	0	1.73E-16	2.83E-13	0	0	6.00E-06
5	ALL		644441	4199280	NonCance	0	6.72E-15	0	1.84E-16	1.84E-16	9.43E-14	6.35E-06	0	1.15E-14	0	1.84E-16	3.01E-13	0	0	6.35E-06
6	ALL		644541	4199280	NonCance	0	7.15E-15	0	1.95E-16	1.95E-16	1.00E-13	6.75E-06	0	1.22E-14	0	1.95E-16	3.20E-13	0	0	6.75E-06
7	ALL		644641	4199280	NonCance	0	7.65E-15	0	2.09E-16	2.09E-16	1.07E-13	7.23E-06	0	1.31E-14	0	2.09E-16	3.43E-13	0	0	7.23E-06
8	ALL		644741	4199280	NonCance	0	8.23E-15	0	2.25E-16	2.25E-16	1.15E-13	7.81E-06	0	1.40E-14	0	2.25E-16	3.68E-13	0	0	7.81E-06
9	ALL		644841	4199280	NonCance	0	8.87E-15	0	2.42E-16	2.42E-16	1.24E-13	8.50E-06	0	1.51E-14	0	2.42E-16	3.97E-13	0	0	8.50E-06
10	ALL		644941	4199280	NonCance	0	9.57E-15	0	2.61E-16	2.61E-16	1.34E-13	9.29E-06	0	1.63E-14	0	2.61E-16	4.28E-13	0	0	9.29E-06
11	ALL		645041	4199280	NonCance	0	1.03E-14	0	2.82E-16	2.82E-16	1.45E-13	1.02E-05	0	1.76E-14	0	2.82E-16	4.61E-13	0	0	1.02E-05
12	ALL		645141	4199280	NonCance	0	1.10E-14	0	3.02E-16	3.02E-16	1.55E-13	1.11E-05	0	1.88E-14	0	3.02E-16	4.94E-13	0	0	1.11E-05
13	ALL		645241	4199280	NonCance	0	1.17E-14	0	3.20E-16	3.20E-16	1.65E-13	1.20E-05	0	2.00E-14	0	3.20E-16	5.25E-13	0	0	1.20E-05
14	ALL		645341	4199280	NonCance	0	1.23E-14	0	3.36E-16	3.36E-16	1.73E-13	1.28E-05	0	2.10E-14	0	3.36E-16	5.51E-13	0	0	1.28E-05
15	ALL		645441	4199280	NonCance	0	1.28E-14	0	3.49E-16	3.49E-16	1.79E-13	1.34E-05	0	2.18E-14	0	3.49E-16	5.72E-13	0	0	1.34E-05
16	ALL		645541	4199280	NonCance	0	1.31E-14	0	3.59E-16	3.59E-16	1.84E-13	1.38E-05	0	2.24E-14	0	3.59E-16	5.88E-13	0	0	1.38E-05
17	ALL		645641	4199280	NonCance	0	1.34E-14	0	3.67E-16	3.67E-16	1.89E-13	1.40E-05	0	2.29E-14	0	3.67E-16	6.01E-13	0	0	1.40E-05
18	ALL		645741	4199280	NonCance	0	1.38E-14	0	3.76E-16	3.76E-16	1.93E-13	1.41E-05	0	2.35E-14	0	3.76E-16	6.16E-13	0	0	1.41E-05
19	ALL		645841	4199280	NonCance	0	1.42E-14	0	3.87E-16	3.87E-16	1.99E-13	1.44E-05	0	2.42E-14	0	3.87E-16	6.34E-13	0	0	1.44E-05
20	ALL		645941	4199280	NonCance	0	1.46E-14	0	4.00E-16	4.00E-16	2.05E-13	1.48E-05	0	2.50E-14	0	4.00E-16	6.55E-13	0	0	1.48E-05
21	ALL		646041	4199280	NonCance	0	1.51E-14	0	4.13E-16	4.13E-16	2.12E-13	1.55E-05	0	2.58E-14	0	4.13E-16	6.76E-13	0	0	1.55E-05
22	ALL		646141	4199280	NonCance	0	1.56E-14	0	4.25E-16	4.25E-16	2.19E-13	1.63E-05	0	2.66E-14	0	4.25E-16	6.97E-13	0	0	1.63E-05
23	ALL		646241	4199280	NonCance	0	1.59E-14	0	4.36E-16	4.36E-16	2.24E-13	1.70E-05	0	2.72E-14	0	4.36E-16	7.14E-13	0	0	1.70E-05
24	ALL		646341	4199280	NonCance	0	1.62E-14	0	4.43E-16	4.43E-16	2.28E-13	1.76E-05	0	2.77E-14	0	4.43E-16	7.27E-13	0	0	1.76E-05
25	ALL		646441	4199280	NonCance	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.80E-05	0	2.80E-14	0	4.48E-16	7.35E-13	0	0	1.80E-05
26	ALL		646541	4199280	NonCance	0	1.65E-14	0	4.50E-16	4.50E-16	2.31E-13	1.82E-05	0	2.81E-14	0	4.50E-16	7.37E-13	0	0	1.82E-05
27	ALL		646641	4199280	NonCance	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.81E-05	0	2.80E-14	0	4.48E-16	7.35E-13	0	0	1.81E-05
28	ALL		646741	4199280	NonCance	0	1.63E-14	0	4.44E-16	4.44E-16	2.28E-13	1.79E-05	0	2.78E-14	0	4.44E-16	7.28E-13	0	0	1.79E-05
29	ALL		646841	4199280	NonCance	0	1.60E-14	0	4.38E-16	4.38E-16	2.25E-13	1.77E-05	0	2.74E-14	0	4.38E-16	7.17E-13	0	0	1.77E-05
30	ALL		646941	4199280	NonCance	0	1.57E-14	0	4.29E-16	4.29E-16	2.21E-13	1.74E-05	0	2.68E-14	0	4.29E-16	7.03E-13	0	0	1.74E-05
31	ALL		647041	4199280	NonCance	0	1.54E-14	0	4.19E-16	4.19E-16	2.15E-13	1.70E-05	0	2.62E-14	0	4.19E-16	6.87E-13	0	0	1.70E-05
32	ALL		647141	4199280	NonCance	0	1.50E-14	0	4.08E-16	4.08E-16	2.10E-13	1.67E-05	0	2.55E-14	0	4.08E-16	6.69E-13	0	0	1.67E-05
33	ALL		647241	4199280	NonCance	0	1.45E-14	0	3.96E-16	3.96E-16	2.04E-13	1.63E-05	0	2.48E-14	0	3.96E-16	6.49E-13	0	0	1.63E-05
34	ALL		647341	4199280	NonCance	0	1.41E-14	0	3.84E-16	3.84E-16	1.97E-13	1.59E-05	0	2.40E-14	0	3.84E-16	6.29E-13	0	0	1.59E-05
35	ALL		644341	4199380	NonCance	0	6.70E-15	0	1.83E-16	1.83E-16	9.40E-14	6.37E-06	0	1.14E-14	0	1.83E-16	3.00E-13	0	0	6.37E-06
36	ALL		644441	4199380	NonCance	0	7.11E-15	0	1.94E-16	1.94E-16	9.98E-14	6.73E-06	0	1.21E-14	0	1.94E-16	3.18E-13	0	0	6.73E-06
37	ALL		644541	4199380	NonCance	0	7.58E-15	0	2.07E-16	2.07E-16	1.06E-13	7.15E-06	0	1.29E-14	0	2.07E-16	3.39E-13	0	0	7.15E-06
38	ALL		644641	4199380	NonCance	0	8.11E-15	0	2.22E-16	2.22E-16	1.14E-13	7.64E-06	0	1.38E-14	0	2.22E-16	3.63E-13	0	0	7.64E-06
39	ALL		644741	4199380	NonCance	0	8.73E-15	0	2.39E-16	2.39E-16	1.23E-13	8.24E-06	0	1.49E-14	0	2.39E-16	3.91E-13	0	0	8.24E-06
40	ALL		644841	4199380	NonCance	0	9.44E-15	0	2.58E-16	2.58E-16	1.33E-13	8.97E-06	0	1.61E-14	0	2.58E-16	4.23E-13	0	0	8.97E-06
41	ALL		644941	4199380	NonCance	0	1.02E-14	0	2.80E-16	2.80E-16	1.44E-13	9.83E-06	0	1.75E-14	0	2.80E-16	4.58E-13	0	0	9.83E-06
42	ALL		645041	4199380	NonCance	0	1.11E-14	0	3.03E-16	3.03E-16	1.56E-13	1.08E-05	0	1.89E-14	0	3.03E-16	4.97E-13	0	0	1.08E-05
43	ALL		645141	4199380	NonCance	0	1.20E-14	0	3.27E-16	3.27E-16	1.68E-13	1.19E-05	0	2.04E-14	0	3.27E-16	5.36E-13	0	0	1.19E-05
44	ALL		645241	4199380	NonCance	0	1.28E-14	0	3.50E-16	3.50E-16	1.80E-13	1.30E-05	0	2.19E-14	0	3.50E-16	5.74E-13	0	0	1.30E-05
45	ALL		645341	4199380	NonCance	0	1.36E-14	0	3.70E-16	3.70E-16	1.90E-13	1.40E-05	0	2.31E-14	0	3.70E-16	6.07E-13	0	0	1.40E-05
46	ALL		645441	4199380	NonCance	0	1.41E-14	0	3.87E-16	3.87E-16	1.99E-13	1.48E-05	0	2.41E-14	0	3.87E-16	6.33E-13	0	0	1.48E-05
47	ALL		645541	4199380	NonCance	0	1.46E-14	0	3.99E-16	3.99E-16	2.05E-13	1.54E-05	0	2.49E-14	0	3.99E-16	6.54E-13	0	0	1.54E-05
48	ALL		645641	4199380	NonCance	0	1.50E-14	0	4.10E-16	4.10E-16	2.11E-13	1.57E-05	0	2.56E-14	0	4.10E-16	6.72E-13	0	0	1.57E-05
49	ALL		645741	4199380	NonCance	0	1.54E-14	0	4.22E-16	4.22E-16	2.17E-13	1.59E-05	0	2.63E-14	0	4.22E-16	6.91E-13	0	0	1.59E-05

50	ALL	645841	4199380	NonCance	0	1.59E-14	0	4.35E-16	4.35E-16	2.24E-13	1.62E-05	0	2.72E-14	0	4.35E-16	7.14E-13	0	0	1.62E-05
51	ALL	645941	4199380	NonCance	0	1.65E-14	0	4.51E-16	4.51E-16	2.32E-13	1.67E-05	0	2.82E-14	0	4.51E-16	7.39E-13	0	0	1.67E-05
52	ALL	646041	4199380	NonCance	0	1.71E-14	0	4.66E-16	4.66E-16	2.40E-13	1.75E-05	0	2.91E-14	0	4.66E-16	7.64E-13	0	0	1.75E-05
53	ALL	646141	4199380	NonCance	0	1.76E-14	0	4.80E-16	4.80E-16	2.47E-13	1.84E-05	0	3.00E-14	0	4.80E-16	7.87E-13	0	0	1.84E-05
54	ALL	646241	4199380	NonCance	0	1.80E-14	0	4.91E-16	4.91E-16	2.52E-13	1.93E-05	0	3.07E-14	0	4.91E-16	8.05E-13	0	0	1.93E-05
55	ALL	646341	4199380	NonCance	0	1.83E-14	0	4.99E-16	4.99E-16	2.56E-13	2.00E-05	0	3.12E-14	0	4.99E-16	8.17E-13	0	0	2.00E-05
56	ALL	646441	4199380	NonCance	0	1.84E-14	0	5.03E-16	5.03E-16	2.58E-13	2.03E-05	0	3.14E-14	0	5.03E-16	8.24E-13	0	0	2.03E-05
57	ALL	646541	4199380	NonCance	0	1.84E-14	0	5.03E-16	5.03E-16	2.59E-13	2.04E-05	0	3.14E-14	0	5.03E-16	8.24E-13	0	0	2.04E-05
58	ALL	646641	4199380	NonCance	0	1.83E-14	0	5.00E-16	5.00E-16	2.57E-13	2.03E-05	0	3.12E-14	0	5.00E-16	8.19E-13	0	0	2.03E-05
59	ALL	646741	4199380	NonCance	0	1.81E-14	0	4.93E-16	4.93E-16	2.54E-13	2.00E-05	0	3.08E-14	0	4.93E-16	8.09E-13	0	0	2.00E-05
60	ALL	646841	4199380	NonCance	0	1.77E-14	0	4.84E-16	4.84E-16	2.49E-13	1.96E-05	0	3.03E-14	0	4.84E-16	7.93E-13	0	0	1.96E-05
61	ALL	646941	4199380	NonCance	0	1.73E-14	0	4.73E-16	4.73E-16	2.43E-13	1.92E-05	0	2.95E-14	0	4.73E-16	7.74E-13	0	0	1.92E-05
62	ALL	647041	4199380	NonCance	0	1.68E-14	0	4.60E-16	4.60E-16	2.36E-13	1.88E-05	0	2.87E-14	0	4.60E-16	7.53E-13	0	0	1.88E-05
63	ALL	647141	4199380	NonCance	0	1.63E-14	0	4.45E-16	4.45E-16	2.29E-13	1.83E-05	0	2.78E-14	0	4.45E-16	7.30E-13	0	0	1.83E-05
64	ALL	647241	4199380	NonCance	0	1.58E-14	0	4.30E-16	4.30E-16	2.21E-13	1.78E-05	0	2.69E-14	0	4.30E-16	7.05E-13	0	0	1.78E-05
65	ALL	647341	4199380	NonCance	0	1.52E-14	0	4.15E-16	4.15E-16	2.13E-13	1.72E-05	0	2.59E-14	0	4.15E-16	6.80E-13	0	0	1.72E-05
66	ALL	644341	4199480	NonCance	0	7.10E-15	0	1.94E-16	1.94E-16	9.96E-14	6.80E-06	0	1.21E-14	0	1.94E-16	3.18E-13	0	0	6.80E-06
67	ALL	644441	4199480	NonCance	0	7.55E-15	0	2.06E-16	2.06E-16	1.06E-13	7.17E-06	0	1.29E-14	0	2.06E-16	3.38E-13	0	0	7.17E-06
68	ALL	644541	4199480	NonCance	0	8.05E-15	0	2.20E-16	2.20E-16	1.13E-13	7.61E-06	0	1.37E-14	0	2.20E-16	3.60E-13	0	0	7.61E-06
69	ALL	644641	4199480	NonCance	0	8.63E-15	0	2.36E-16	2.36E-16	1.21E-13	8.12E-06	0	1.47E-14	0	2.36E-16	3.86E-13	0	0	8.12E-06
70	ALL	644741	4199480	NonCance	0	9.30E-15	0	2.54E-16	2.54E-16	1.31E-13	8.75E-06	0	1.59E-14	0	2.54E-16	4.16E-13	0	0	8.75E-06
71	ALL	644841	4199480	NonCance	0	1.01E-14	0	2.75E-16	2.75E-16	1.42E-13	9.51E-06	0	1.72E-14	0	2.75E-16	4.51E-13	0	0	9.51E-06
72	ALL	644941	4199480	NonCance	0	1.10E-14	0	3.00E-16	3.00E-16	1.54E-13	1.04E-05	0	1.87E-14	0	3.00E-16	4.91E-13	0	0	1.04E-05
73	ALL	645041	4199480	NonCance	0	1.20E-14	0	3.27E-16	3.27E-16	1.68E-13	1.15E-05	0	2.04E-14	0	3.27E-16	5.36E-13	0	0	1.15E-05
74	ALL	645141	4199480	NonCance	0	1.30E-14	0	3.56E-16	3.56E-16	1.83E-13	1.28E-05	0	2.22E-14	0	3.56E-16	5.83E-13	0	0	1.28E-05
75	ALL	645241	4199480	NonCance	0	1.41E-14	0	3.84E-16	3.84E-16	1.97E-13	1.41E-05	0	2.40E-14	0	3.84E-16	6.30E-13	0	0	1.41E-05
76	ALL	645341	4199480	NonCance	0	1.50E-14	0	4.10E-16	4.10E-16	2.11E-13	1.54E-05	0	2.56E-14	0	4.10E-16	6.72E-13	0	0	1.54E-05
77	ALL	645441	4199480	NonCance	0	1.58E-14	0	4.31E-16	4.31E-16	2.22E-13	1.65E-05	0	2.69E-14	0	4.31E-16	7.06E-13	0	0	1.65E-05
78	ALL	645541	4199480	NonCance	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.72E-05	0	2.79E-14	0	4.48E-16	7.33E-13	0	0	1.72E-05
79	ALL	645641	4199480	NonCance	0	1.69E-14	0	4.62E-16	4.62E-16	2.37E-13	1.77E-05	0	2.88E-14	0	4.62E-16	7.57E-13	0	0	1.77E-05
80	ALL	645741	4199480	NonCance	0	1.75E-14	0	4.77E-16	4.77E-16	2.45E-13	1.80E-05	0	2.98E-14	0	4.77E-16	7.81E-13	0	0	1.80E-05
81	ALL	645841	4199480	NonCance	0	1.81E-14	0	4.94E-16	4.94E-16	2.54E-13	1.83E-05	0	3.09E-14	0	4.94E-16	8.10E-13	0	0	1.83E-05
82	ALL	645941	4199480	NonCance	0	1.88E-14	0	5.13E-16	5.13E-16	2.64E-13	1.90E-05	0	3.21E-14	0	5.13E-16	8.41E-13	0	0	1.90E-05
83	ALL	646041	4199480	NonCance	0	1.95E-14	0	5.31E-16	5.31E-16	2.73E-13	2.00E-05	0	3.32E-14	0	5.31E-16	8.71E-13	0	0	2.00E-05
84	ALL	646141	4199480	NonCance	0	2.00E-14	0	5.47E-16	5.47E-16	2.81E-13	2.11E-05	0	3.42E-14	0	5.47E-16	8.96E-13	0	0	2.11E-05
85	ALL	646241	4199480	NonCance	0	2.04E-14	0	5.58E-16	5.58E-16	2.87E-13	2.21E-05	0	3.49E-14	0	5.58E-16	9.15E-13	0	0	2.21E-05
86	ALL	646341	4199480	NonCance	0	2.07E-14	0	5.65E-16	5.65E-16	2.91E-13	2.28E-05	0	3.53E-14	0	5.65E-16	9.26E-13	0	0	2.28E-05
87	ALL	646441	4199480	NonCance	0	2.08E-14	0	5.68E-16	5.68E-16	2.92E-13	2.31E-05	0	3.55E-14	0	5.68E-16	9.31E-13	0	0	2.31E-05
88	ALL	646541	4199480	NonCance	0	2.07E-14	0	5.67E-16	5.67E-16	2.91E-13	2.31E-05	0	3.54E-14	0	5.67E-16	9.29E-13	0	0	2.31E-05
89	ALL	646641	4199480	NonCance	0	2.05E-14	0	5.61E-16	5.61E-16	2.88E-13	2.28E-05	0	3.50E-14	0	5.61E-16	9.19E-13	0	0	2.28E-05
90	ALL	646741	4199480	NonCance	0	2.02E-14	0	5.51E-16	5.51E-16	2.83E-13	2.24E-05	0	3.44E-14	0	5.51E-16	9.03E-13	0	0	2.24E-05
91	ALL	646841	4199480	NonCance	0	1.97E-14	0	5.38E-16	5.38E-16	2.77E-13	2.20E-05	0	3.36E-14	0	5.38E-16	8.82E-13	0	0	2.20E-05
92	ALL	646941	4199480	NonCance	0	1.91E-14	0	5.22E-16	5.22E-16	2.68E-13	2.14E-05	0	3.26E-14	0	5.22E-16	8.56E-13	0	0	2.14E-05
93	ALL	647041	4199480	NonCance	0	1.85E-14	0	5.05E-16	5.05E-16	2.60E-13	2.08E-05	0	3.16E-14	0	5.05E-16	8.28E-13	0	0	2.08E-05
94	ALL	647141	4199480	NonCance	0	1.78E-14	0	4.87E-16	4.87E-16	2.50E-13	2.02E-05	0	3.04E-14	0	4.87E-16	7.98E-13	0	0	2.02E-05
95	ALL	647241	4199480	NonCance	0	1.71E-14	0	4.68E-16	4.68E-16	2.40E-13	1.95E-05	0	2.92E-14	0	4.68E-16	7.66E-13	0	0	1.95E-05
96	ALL	647341	4199480	NonCance	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.87E-05	0	2.80E-14	0	4.48E-16	7.34E-13	0	0	1.87E-05
97	ALL	644341	4199580	NonCance	0	7.54E-15	0	2.06E-16	2.06E-16	1.06E-13	7.27E-06	0	1.29E-14	0	2.06E-16	3.37E-13	0	0	7.27E-06
98	ALL	644441	4199580	NonCance	0	8.03E-15	0	2.19E-16	2.19E-16	1.13E-13	7.69E-06	0	1.37E-14	0	2.19E-16	3.59E-13	0	0	7.69E-06
99	ALL	644541	4199580	NonCance	0	8.58E-15	0	2.35E-16	2.35E-16	1.21E-13	8.15E-06	0	1.46E-14	0	2.35E-16	3.84E-13	0	0	8.15E-06
100	ALL	644641	4199580	NonCance	0	9.21E-15	0	2.52E-16	2.52E-16	1.29E-13	8.69E-06	0	1.57E-14	0	2.52E-16	4.12E-13	0	0	8.69E-06
101	ALL	644741	4199580	NonCance	0	9.94E-15	0	2.72E-16	2.72E-16	1.40E-13	9.34E-06	0	1.70E-14	0	2.72E-16	4.45E-13	0	0	9.34E-06
102	ALL	644841	4199580	NonCance	0	1.08E-14	0	2.95E-16	2.95E-16	1.52E-13	1.01E-05	0	1.84E-14	0	2.95E-16	4.83E-13	0	0	1.01E-05

103	ALL	644941	4199580	NonCance	0	1.18E-14	0	3.22E-16	3.22E-16	1.66E-13	1.11E-05	0	2.01E-14	0	3.22E-16	5.28E-13	0	0	1.11E-05
104	ALL	645041	4199580	NonCance	0	1.29E-14	0	3.54E-16	3.54E-16	1.82E-13	1.23E-05	0	2.21E-14	0	3.54E-16	5.80E-13	0	0	1.23E-05
105	ALL	645141	4199580	NonCance	0	1.42E-14	0	3.88E-16	3.88E-16	2.00E-13	1.37E-05	0	2.42E-14	0	3.88E-16	6.36E-13	0	0	1.37E-05
106	ALL	645241	4199580	NonCance	0	1.55E-14	0	4.23E-16	4.23E-16	2.18E-13	1.53E-05	0	2.64E-14	0	4.23E-16	6.94E-13	0	0	1.53E-05
107	ALL	645341	4199580	NonCance	0	1.67E-14	0	4.56E-16	4.56E-16	2.35E-13	1.69E-05	0	2.85E-14	0	4.56E-16	7.48E-13	0	0	1.69E-05
108	ALL	645441	4199580	NonCance	0	1.77E-14	0	4.84E-16	4.84E-16	2.49E-13	1.83E-05	0	3.02E-14	0	4.84E-16	7.93E-13	0	0	1.83E-05
109	ALL	645541	4199580	NonCance	0	1.85E-14	0	5.06E-16	5.06E-16	2.60E-13	1.94E-05	0	3.16E-14	0	5.06E-16	8.29E-13	0	0	1.94E-05
110	ALL	645641	4199580	NonCance	0	1.92E-14	0	5.25E-16	5.25E-16	2.70E-13	2.01E-05	0	3.28E-14	0	5.25E-16	8.60E-13	0	0	2.01E-05
111	ALL	645741	4199580	NonCance	0	1.99E-14	0	5.44E-16	5.44E-16	2.80E-13	2.05E-05	0	3.40E-14	0	5.44E-16	8.92E-13	0	0	2.05E-05
112	ALL	645841	4199580	NonCance	0	2.08E-14	0	5.67E-16	5.67E-16	2.91E-13	2.10E-05	0	3.54E-14	0	5.67E-16	9.29E-13	0	0	2.10E-05
113	ALL	645941	4199580	NonCance	0	2.16E-14	0	5.91E-16	5.91E-16	3.04E-13	2.19E-05	0	3.69E-14	0	5.91E-16	9.68E-13	0	0	2.19E-05
114	ALL	646041	4199580	NonCance	0	2.24E-14	0	6.12E-16	6.12E-16	3.15E-13	2.31E-05	0	3.82E-14	0	6.12E-16	1.00E-12	0	0	2.31E-05
115	ALL	646141	4199580	NonCance	0	2.30E-14	0	6.29E-16	6.29E-16	3.23E-13	2.44E-05	0	3.93E-14	0	6.29E-16	1.03E-12	0	0	2.44E-05
116	ALL	646241	4199580	NonCance	0	2.34E-14	0	6.41E-16	6.41E-16	3.29E-13	2.56E-05	0	4.00E-14	0	6.41E-16	1.05E-12	0	0	2.56E-05
117	ALL	646341	4199580	NonCance	0	2.37E-14	0	6.47E-16	6.47E-16	3.32E-13	2.62E-05	0	4.04E-14	0	6.47E-16	1.06E-12	0	0	2.62E-05
118	ALL	646441	4199580	NonCance	0	2.37E-14	0	6.48E-16	6.48E-16	3.33E-13	2.64E-05	0	4.04E-14	0	6.48E-16	1.06E-12	0	0	2.64E-05
119	ALL	646541	4199580	NonCance	0	2.35E-14	0	6.43E-16	6.43E-16	3.30E-13	2.63E-05	0	4.02E-14	0	6.43E-16	1.05E-12	0	0	2.63E-05
120	ALL	646641	4199580	NonCance	0	2.32E-14	0	6.33E-16	6.33E-16	3.25E-13	2.59E-05	0	3.95E-14	0	6.33E-16	1.04E-12	0	0	2.59E-05
121	ALL	646741	4199580	NonCance	0	2.26E-14	0	6.18E-16	6.18E-16	3.18E-13	2.53E-05	0	3.86E-14	0	6.18E-16	1.01E-12	0	0	2.53E-05
122	ALL	646841	4199580	NonCance	0	2.20E-14	0	6.00E-16	6.00E-16	3.09E-13	2.47E-05	0	3.75E-14	0	6.00E-16	9.84E-13	0	0	2.47E-05
123	ALL	646941	4199580	NonCance	0	2.12E-14	0	5.79E-16	5.79E-16	2.97E-13	2.39E-05	0	3.62E-14	0	5.79E-16	9.48E-13	0	0	2.39E-05
124	ALL	647041	4199580	NonCance	0	2.04E-14	0	5.56E-16	5.56E-16	2.86E-13	2.31E-05	0	3.48E-14	0	5.56E-16	9.11E-13	0	0	2.31E-05
125	ALL	647141	4199580	NonCance	0	1.95E-14	0	5.32E-16	5.32E-16	2.74E-13	2.22E-05	0	3.33E-14	0	5.32E-16	8.72E-13	0	0	2.22E-05
126	ALL	647241	4199580	NonCance	0	1.86E-14	0	5.08E-16	5.08E-16	2.61E-13	2.13E-05	0	3.18E-14	0	5.08E-16	8.32E-13	0	0	2.13E-05
127	ALL	647341	4199580	NonCance	0	1.77E-14	0	4.83E-16	4.83E-16	2.48E-13	2.03E-05	0	3.02E-14	0	4.83E-16	7.92E-13	0	0	2.03E-05
128	ALL	644341	4199680	NonCance	0	8.02E-15	0	2.19E-16	2.19E-16	1.13E-13	7.81E-06	0	1.37E-14	0	2.19E-16	3.59E-13	0	0	7.81E-06
129	ALL	644441	4199680	NonCance	0	8.57E-15	0	2.34E-16	2.34E-16	1.20E-13	8.27E-06	0	1.46E-14	0	2.34E-16	3.84E-13	0	0	8.27E-06
130	ALL	644541	4199680	NonCance	0	9.19E-15	0	2.51E-16	2.51E-16	1.29E-13	8.79E-06	0	1.57E-14	0	2.51E-16	4.11E-13	0	0	8.79E-06
131	ALL	644641	4199680	NonCance	0	9.88E-15	0	2.70E-16	2.70E-16	1.39E-13	9.37E-06	0	1.69E-14	0	2.70E-16	4.42E-13	0	0	9.37E-06
132	ALL	644741	4199680	NonCance	0	1.07E-14	0	2.92E-16	2.92E-16	1.50E-13	1.01E-05	0	1.82E-14	0	2.92E-16	4.78E-13	0	0	1.01E-05
133	ALL	644841	4199680	NonCance	0	1.16E-14	0	3.17E-16	3.17E-16	1.63E-13	1.09E-05	0	1.98E-14	0	3.17E-16	5.20E-13	0	0	1.09E-05
134	ALL	644941	4199680	NonCance	0	1.27E-14	0	3.48E-16	3.48E-16	1.79E-13	1.19E-05	0	2.17E-14	0	3.48E-16	5.70E-13	0	0	1.19E-05
135	ALL	645041	4199680	NonCance	0	1.41E-14	0	3.84E-16	3.84E-16	1.97E-13	1.32E-05	0	2.40E-14	0	3.84E-16	6.29E-13	0	0	1.32E-05
136	ALL	645141	4199680	NonCance	0	1.56E-14	0	4.25E-16	4.25E-16	2.18E-13	1.48E-05	0	2.65E-14	0	4.25E-16	6.96E-13	0	0	1.48E-05
137	ALL	645241	4199680	NonCance	0	1.72E-14	0	4.69E-16	4.69E-16	2.41E-13	1.67E-05	0	2.93E-14	0	4.69E-16	7.68E-13	0	0	1.67E-05
138	ALL	645341	4199680	NonCance	0	1.87E-14	0	5.11E-16	5.11E-16	2.63E-13	1.87E-05	0	3.19E-14	0	5.11E-16	8.38E-13	0	0	1.87E-05
139	ALL	645441	4199680	NonCance	0	2.01E-14	0	5.48E-16	5.48E-16	2.82E-13	2.06E-05	0	3.42E-14	0	5.48E-16	8.98E-13	0	0	2.06E-05
140	ALL	645541	4199680	NonCance	0	2.11E-14	0	5.78E-16	5.78E-16	2.97E-13	2.21E-05	0	3.61E-14	0	5.78E-16	9.46E-13	0	0	2.21E-05
141	ALL	645641	4199680	NonCance	0	2.20E-14	0	6.03E-16	6.03E-16	3.10E-13	2.31E-05	0	3.76E-14	0	6.03E-16	9.87E-13	0	0	2.31E-05
142	ALL	645741	4199680	NonCance	0	2.30E-14	0	6.29E-16	6.29E-16	3.23E-13	2.37E-05	0	3.93E-14	0	6.29E-16	1.03E-12	0	0	2.37E-05
143	ALL	645841	4199680	NonCance	0	2.41E-14	0	6.59E-16	6.59E-16	3.39E-13	2.44E-05	0	4.11E-14	0	6.59E-16	1.08E-12	0	0	2.44E-05
144	ALL	645941	4199680	NonCance	0	2.52E-14	0	6.89E-16	6.89E-16	3.54E-13	2.55E-05	0	4.30E-14	0	6.89E-16	1.13E-12	0	0	2.55E-05
145	ALL	646041	4199680	NonCance	0	2.61E-14	0	7.14E-16	7.14E-16	3.67E-13	2.70E-05	0	4.46E-14	0	7.14E-16	1.17E-12	0	0	2.70E-05
146	ALL	646141	4199680	NonCance	0	2.68E-14	0	7.32E-16	7.32E-16	3.76E-13	2.87E-05	0	4.57E-14	0	7.32E-16	1.20E-12	0	0	2.87E-05
147	ALL	646241	4199680	NonCance	0	2.72E-14	0	7.43E-16	7.43E-16	3.82E-13	2.99E-05	0	4.64E-14	0	7.43E-16	1.22E-12	0	0	2.99E-05
148	ALL	646341	4199680	NonCance	0	2.73E-14	0	7.47E-16	7.47E-16	3.84E-13	3.06E-05	0	4.66E-14	0	7.47E-16	1.22E-12	0	0	3.06E-05
149	ALL	646441	4199680	NonCance	0	2.72E-14	0	7.45E-16	7.45E-16	3.83E-13	3.06E-05	0	4.65E-14	0	7.45E-16	1.22E-12	0	0	3.06E-05
150	ALL	646541	4199680	NonCance	0	2.69E-14	0	7.35E-16	7.35E-16	3.78E-13	3.02E-05	0	4.59E-14	0	7.35E-16	1.21E-12	0	0	3.02E-05
151	ALL	646641	4199680	NonCance	0	2.63E-14	0	7.19E-16	7.19E-16	3.70E-13	2.96E-05	0	4.49E-14	0	7.19E-16	1.18E-12	0	0	2.96E-05
152	ALL	646741	4199680	NonCance	0	2.55E-14	0	6.97E-16	6.97E-16	3.58E-13	2.88E-05	0	4.36E-14	0	6.97E-16	1.14E-12	0	0	2.88E-05
153	ALL	646841	4199680	NonCance	0	2.46E-14	0	6.72E-16	6.72E-16	3.45E-13	2.79E-05	0	4.20E-14	0	6.72E-16	1.10E-12	0	0	2.79E-05
154	ALL	646941	4199680	NonCance	0	2.35E-14	0	6.42E-16	6.42E-16	3.30E-13	2.68E-05	0	4.01E-14	0	6.42E-16	1.05E-12	0	0	2.68E-05
155	ALL	647041	4199680	NonCance	0	2.24E-14	0	6.13E-16	6.13E-16	3.15E-13	2.57E-05	0	3.83E-14	0	6.13E-16	1.00E-12	0	0	2.57E-05

156	ALL	647141	4199680	NonCance	0	2.13E-14	0	5.82E-16	5.82E-16	2.99E-13	2.45E-05	0	3.64E-14	0	5.82E-16	9.53E-13	0	0	2.45E-05
157	ALL	647241	4199680	NonCance	0	2.02E-14	0	5.51E-16	5.51E-16	2.83E-13	2.32E-05	0	3.44E-14	0	5.51E-16	9.03E-13	0	0	2.32E-05
158	ALL	647341	4199680	NonCance	0	1.91E-14	0	5.20E-16	5.20E-16	2.67E-13	2.19E-05	0	3.25E-14	0	5.20E-16	8.52E-13	0	0	2.19E-05
159	ALL	644341	4199780	NonCance	0	8.53E-15	0	2.33E-16	2.33E-16	1.20E-13	8.39E-06	0	1.46E-14	0	2.33E-16	3.82E-13	0	0	8.39E-06
160	ALL	644441	4199780	NonCance	0	9.16E-15	0	2.50E-16	2.50E-16	1.29E-13	8.93E-06	0	1.56E-14	0	2.50E-16	4.10E-13	0	0	8.93E-06
161	ALL	644541	4199780	NonCance	0	9.86E-15	0	2.69E-16	2.69E-16	1.38E-13	9.51E-06	0	1.68E-14	0	2.69E-16	4.41E-13	0	0	9.51E-06
162	ALL	644641	4199780	NonCance	0	1.06E-14	0	2.91E-16	2.91E-16	1.49E-13	1.02E-05	0	1.82E-14	0	2.91E-16	4.76E-13	0	0	1.02E-05
163	ALL	644741	4199780	NonCance	0	1.15E-14	0	3.15E-16	3.15E-16	1.62E-13	1.09E-05	0	1.97E-14	0	3.15E-16	5.16E-13	0	0	1.09E-05
164	ALL	644841	4199780	NonCance	0	1.26E-14	0	3.44E-16	3.44E-16	1.77E-13	1.18E-05	0	2.15E-14	0	3.44E-16	5.63E-13	0	0	1.18E-05
165	ALL	644941	4199780	NonCance	0	1.38E-14	0	3.78E-16	3.78E-16	1.94E-13	1.29E-05	0	2.36E-14	0	3.78E-16	6.19E-13	0	0	1.29E-05
166	ALL	645041	4199780	NonCance	0	1.53E-14	0	4.19E-16	4.19E-16	2.15E-13	1.43E-05	0	2.61E-14	0	4.19E-16	6.86E-13	0	0	1.43E-05
167	ALL	645141	4199780	NonCance	0	1.71E-14	0	4.67E-16	4.67E-16	2.40E-13	1.60E-05	0	2.92E-14	0	4.67E-16	7.65E-13	0	0	1.60E-05
168	ALL	645241	4199780	NonCance	0	1.91E-14	0	5.21E-16	5.21E-16	2.68E-13	1.82E-05	0	3.26E-14	0	5.21E-16	8.54E-13	0	0	1.82E-05
169	ALL	645341	4199780	NonCance	0	2.11E-14	0	5.77E-16	5.77E-16	2.96E-13	2.07E-05	0	3.60E-14	0	5.77E-16	9.45E-13	0	0	2.07E-05
170	ALL	645441	4199780	NonCance	0	2.29E-14	0	6.27E-16	6.27E-16	3.22E-13	2.32E-05	0	3.91E-14	0	6.27E-16	1.03E-12	0	0	2.32E-05
171	ALL	645541	4199780	NonCance	0	2.44E-14	0	6.67E-16	6.67E-16	3.43E-13	2.53E-05	0	4.16E-14	0	6.67E-16	1.09E-12	0	0	2.53E-05
172	ALL	645641	4199780	NonCance	0	2.56E-14	0	7.01E-16	7.01E-16	3.60E-13	2.68E-05	0	4.38E-14	0	7.01E-16	1.15E-12	0	0	2.68E-05
173	ALL	645741	4199780	NonCance	0	2.70E-14	0	7.37E-16	7.37E-16	3.79E-13	2.78E-05	0	4.60E-14	0	7.37E-16	1.21E-12	0	0	2.78E-05
174	ALL	645841	4199780	NonCance	0	2.84E-14	0	7.77E-16	7.77E-16	3.99E-13	2.87E-05	0	4.85E-14	0	7.77E-16	1.27E-12	0	0	2.87E-05
175	ALL	645941	4199780	NonCance	0	2.99E-14	0	8.16E-16	8.16E-16	4.19E-13	3.02E-05	0	5.09E-14	0	8.16E-16	1.34E-12	0	0	3.02E-05
176	ALL	646041	4199780	NonCance	0	3.09E-14	0	8.46E-16	8.46E-16	4.35E-13	3.22E-05	0	5.28E-14	0	8.46E-16	1.39E-12	0	0	3.22E-05
177	ALL	646141	4199780	NonCance	0	3.16E-14	0	8.64E-16	8.64E-16	4.44E-13	3.42E-05	0	5.40E-14	0	8.64E-16	1.42E-12	0	0	3.42E-05
178	ALL	646241	4199780	NonCance	0	3.19E-14	0	8.73E-16	8.73E-16	4.49E-13	3.55E-05	0	5.45E-14	0	8.73E-16	1.43E-12	0	0	3.55E-05
179	ALL	646341	4199780	NonCance	0	3.19E-14	0	8.73E-16	8.73E-16	4.49E-13	3.60E-05	0	5.45E-14	0	8.73E-16	1.43E-12	0	0	3.60E-05
180	ALL	646441	4199780	NonCance	0	3.16E-14	0	8.65E-16	8.65E-16	4.45E-13	3.58E-05	0	5.40E-14	0	8.65E-16	1.42E-12	0	0	3.58E-05
181	ALL	646541	4199780	NonCance	0	3.10E-14	0	8.48E-16	8.48E-16	4.36E-13	3.51E-05	0	5.29E-14	0	8.48E-16	1.39E-12	0	0	3.51E-05
182	ALL	646641	4199780	NonCance	0	3.01E-14	0	8.22E-16	8.22E-16	4.22E-13	3.41E-05	0	5.13E-14	0	8.22E-16	1.35E-12	0	0	3.41E-05
183	ALL	646741	4199780	NonCance	0	2.89E-14	0	7.90E-16	7.90E-16	4.06E-13	3.29E-05	0	4.93E-14	0	7.90E-16	1.29E-12	0	0	3.29E-05
184	ALL	646841	4199780	NonCance	0	2.76E-14	0	7.53E-16	7.53E-16	3.87E-13	3.16E-05	0	4.70E-14	0	7.53E-16	1.23E-12	0	0	3.16E-05
185	ALL	646941	4199780	NonCance	0	2.61E-14	0	7.14E-16	7.14E-16	3.67E-13	3.01E-05	0	4.46E-14	0	7.14E-16	1.17E-12	0	0	3.01E-05
186	ALL	647041	4199780	NonCance	0	2.47E-14	0	6.75E-16	6.75E-16	3.47E-13	2.85E-05	0	4.22E-14	0	6.75E-16	1.11E-12	0	0	2.85E-05
187	ALL	647141	4199780	NonCance	0	2.33E-14	0	6.35E-16	6.35E-16	3.26E-13	2.68E-05	0	3.97E-14	0	6.35E-16	1.04E-12	0	0	2.68E-05
188	ALL	647241	4199780	NonCance	0	2.18E-14	0	5.96E-16	5.96E-16	3.06E-13	2.51E-05	0	3.72E-14	0	5.96E-16	9.76E-13	0	0	2.51E-05
189	ALL	647341	4199780	NonCance	0	2.04E-14	0	5.58E-16	5.58E-16	2.87E-13	2.35E-05	0	3.49E-14	0	5.58E-16	9.14E-13	0	0	2.35E-05
190	ALL	644341	4199880	NonCance	0	9.08E-15	0	2.48E-16	2.48E-16	1.27E-13	9.03E-06	0	1.55E-14	0	2.48E-16	4.06E-13	0	0	9.03E-06
191	ALL	644441	4199880	NonCance	0	9.79E-15	0	2.68E-16	2.68E-16	1.37E-13	9.65E-06	0	1.67E-14	0	2.68E-16	4.38E-13	0	0	9.65E-06
192	ALL	644541	4199880	NonCance	0	1.06E-14	0	2.89E-16	2.89E-16	1.49E-13	1.03E-05	0	1.81E-14	0	2.89E-16	4.74E-13	0	0	1.03E-05
193	ALL	644641	4199880	NonCance	0	1.15E-14	0	3.14E-16	3.14E-16	1.61E-13	1.11E-05	0	1.96E-14	0	3.14E-16	5.14E-13	0	0	1.11E-05
194	ALL	644741	4199880	NonCance	0	1.25E-14	0	3.42E-16	3.42E-16	1.76E-13	1.19E-05	0	2.13E-14	0	3.42E-16	5.60E-13	0	0	1.19E-05
195	ALL	644841	4199880	NonCance	0	1.37E-14	0	3.74E-16	3.74E-16	1.92E-13	1.29E-05	0	2.34E-14	0	3.74E-16	6.13E-13	0	0	1.29E-05
196	ALL	644941	4199880	NonCance	0	1.51E-14	0	4.12E-16	4.12E-16	2.12E-13	1.41E-05	0	2.58E-14	0	4.12E-16	6.76E-13	0	0	1.41E-05
197	ALL	645041	4199880	NonCance	0	1.68E-14	0	4.59E-16	4.59E-16	2.36E-13	1.55E-05	0	2.87E-14	0	4.59E-16	7.52E-13	0	0	1.55E-05
198	ALL	645141	4199880	NonCance	0	1.89E-14	0	5.16E-16	5.16E-16	2.65E-13	1.75E-05	0	3.22E-14	0	5.16E-16	8.46E-13	0	0	1.75E-05
199	ALL	645241	4199880	NonCance	0	2.13E-14	0	5.83E-16	5.83E-16	3.00E-13	1.99E-05	0	3.64E-14	0	5.83E-16	9.56E-13	0	0	1.99E-05
200	ALL	645341	4199880	NonCance	0	2.40E-14	0	6.56E-16	6.56E-16	3.37E-13	2.29E-05	0	4.10E-14	0	6.56E-16	1.07E-12	0	0	2.29E-05
201	ALL	645441	4199880	NonCance	0	2.65E-14	0	7.25E-16	7.25E-16	3.72E-13	2.62E-05	0	4.52E-14	0	7.25E-16	1.19E-12	0	0	2.62E-05
202	ALL	645541	4199880	NonCance	0	2.86E-14	0	7.81E-16	7.81E-16	4.01E-13	2.93E-05	0	4.88E-14	0	7.81E-16	1.28E-12	0	0	2.93E-05
203	ALL	645641	4199880	NonCance	0	3.03E-14	0	8.29E-16	8.29E-16	4.26E-13	3.16E-05	0	5.17E-14	0	8.29E-16	1.36E-12	0	0	3.16E-05
204	ALL	645741	4199880	NonCance	0	3.21E-14	0	8.78E-16	8.78E-16	4.51E-13	3.30E-05	0	5.48E-14	0	8.78E-16	1.44E-12	0	0	3.30E-05
205	ALL	645841	4199880	NonCance	0	3.42E-14	0	9.33E-16	9.33E-16	4.80E-13	3.44E-05	0	5.83E-14	0	9.33E-16	1.53E-12	0	0	3.44E-05
206	ALL	645941	4199880	NonCance	0	3.60E-14	0	9.84E-16	9.84E-16	5.06E-13	3.64E-05	0	6.14E-14	0	9.84E-16	1.61E-12	0	0	3.64E-05
207	ALL	646041	4199880	NonCance	0	3.73E-14	0	1.02E-15	1.02E-15	5.24E-13	3.91E-05	0	6.36E-14	0	1.02E-15	1.67E-12	0	0	3.91E-05
208	ALL	646141	4199880	NonCance	0	3.79E-14	0	1.04E-15	1.04E-15	5.32E-13	4.15E-05	0	6.47E-14	0	1.04E-15	1.70E-12	0	0	4.15E-05

209	ALL	646241	4199880	NonCancer	0	3.80E-14	0	1.04E-15	1.04E-15	5.34E-13	4.29E-05	0	6.49E-14	0	1.04E-15	1.70E-12	0	0	4.29E-05
210	ALL	646341	4199880	NonCancer	0	3.78E-14	0	1.03E-15	1.03E-15	5.31E-13	4.31E-05	0	6.45E-14	0	1.03E-15	1.69E-12	0	0	4.31E-05
211	ALL	646441	4199880	NonCancer	0	3.71E-14	0	1.02E-15	1.02E-15	5.22E-13	4.25E-05	0	6.34E-14	0	1.02E-15	1.66E-12	0	0	4.25E-05
212	ALL	646541	4199880	NonCancer	0	3.60E-14	0	9.85E-16	9.85E-16	5.06E-13	4.13E-05	0	6.15E-14	0	9.85E-16	1.61E-12	0	0	4.13E-05
213	ALL	646641	4199880	NonCancer	0	3.46E-14	0	9.45E-16	9.45E-16	4.85E-13	3.97E-05	0	5.90E-14	0	9.45E-16	1.55E-12	0	0	3.97E-05
214	ALL	646741	4199880	NonCancer	0	3.28E-14	0	8.97E-16	8.97E-16	4.61E-13	3.79E-05	0	5.60E-14	0	8.97E-16	1.47E-12	0	0	3.79E-05
215	ALL	646841	4199880	NonCancer	0	3.09E-14	0	8.45E-16	8.45E-16	4.34E-13	3.58E-05	0	5.28E-14	0	8.45E-16	1.38E-12	0	0	3.58E-05
216	ALL	646941	4199880	NonCancer	0	2.91E-14	0	7.93E-16	7.93E-16	4.08E-13	3.37E-05	0	4.96E-14	0	7.93E-16	1.30E-12	0	0	3.37E-05
217	ALL	647041	4199880	NonCancer	0	2.72E-14	0	7.41E-16	7.41E-16	3.81E-13	3.14E-05	0	4.63E-14	0	7.41E-16	1.21E-12	0	0	3.14E-05
218	ALL	647141	4199880	NonCancer	0	2.53E-14	0	6.90E-16	6.90E-16	3.55E-13	2.92E-05	0	4.32E-14	0	6.90E-16	1.13E-12	0	0	2.92E-05
219	ALL	647241	4199880	NonCancer	0	2.35E-14	0	6.41E-16	6.41E-16	3.30E-13	2.71E-05	0	4.01E-14	0	6.41E-16	1.05E-12	0	0	2.71E-05
220	ALL	647341	4199880	NonCancer	0	2.18E-14	0	5.95E-16	5.95E-16	3.06E-13	2.51E-05	0	3.72E-14	0	5.95E-16	9.75E-13	0	0	2.51E-05
221	ALL	644341	4199980	NonCancer	0	9.64E-15	0	2.63E-16	2.63E-16	1.35E-13	9.71E-06	0	1.65E-14	0	2.63E-16	4.32E-13	0	0	9.71E-06
222	ALL	644441	4199980	NonCancer	0	1.05E-14	0	2.86E-16	2.86E-16	1.47E-13	1.04E-05	0	1.79E-14	0	2.86E-16	4.68E-13	0	0	1.04E-05
223	ALL	644541	4199980	NonCancer	0	1.14E-14	0	3.11E-16	3.11E-16	1.60E-13	1.12E-05	0	1.94E-14	0	3.11E-16	5.10E-13	0	0	1.12E-05
224	ALL	644641	4199980	NonCancer	0	1.24E-14	0	3.40E-16	3.40E-16	1.75E-13	1.21E-05	0	2.12E-14	0	3.40E-16	5.56E-13	0	0	1.21E-05
225	ALL	644741	4199980	NonCancer	0	1.36E-14	0	3.72E-16	3.72E-16	1.91E-13	1.31E-05	0	2.32E-14	0	3.72E-16	6.10E-13	0	0	1.31E-05
226	ALL	644841	4199980	NonCancer	0	1.50E-14	0	4.09E-16	4.09E-16	2.10E-13	1.42E-05	0	2.56E-14	0	4.09E-16	6.71E-13	0	0	1.42E-05
227	ALL	644941	4199980	NonCancer	0	1.66E-14	0	4.54E-16	4.54E-16	2.33E-13	1.55E-05	0	2.83E-14	0	4.54E-16	7.43E-13	0	0	1.55E-05
228	ALL	645041	4199980	NonCancer	0	1.86E-14	0	5.07E-16	5.07E-16	2.61E-13	1.71E-05	0	3.17E-14	0	5.07E-16	8.31E-13	0	0	1.71E-05
229	ALL	645141	4199980	NonCancer	0	2.10E-14	0	5.74E-16	5.74E-16	2.95E-13	1.92E-05	0	3.59E-14	0	5.74E-16	9.40E-13	0	0	1.92E-05
230	ALL	645241	4199980	NonCancer	0	2.40E-14	0	6.57E-16	6.57E-16	3.38E-13	2.20E-05	0	4.10E-14	0	6.57E-16	1.08E-12	0	0	2.20E-05
231	ALL	645341	4199980	NonCancer	0	2.75E-14	0	7.52E-16	7.52E-16	3.87E-13	2.56E-05	0	4.70E-14	0	7.52E-16	1.23E-12	0	0	2.56E-05
232	ALL	645441	4199980	NonCancer	0	3.10E-14	0	8.49E-16	8.49E-16	4.36E-13	2.98E-05	0	5.30E-14	0	8.49E-16	1.39E-12	0	0	2.98E-05
233	ALL	645541	4199980	NonCancer	0	3.41E-14	0	9.31E-16	9.31E-16	4.78E-13	3.42E-05	0	5.81E-14	0	9.31E-16	1.53E-12	0	0	3.42E-05
234	ALL	645641	4199980	NonCancer	0	3.66E-14	0	9.99E-16	9.99E-16	5.14E-13	3.77E-05	0	6.24E-14	0	9.99E-16	1.64E-12	0	0	3.77E-05
235	ALL	645741	4199980	NonCancer	0	3.92E-14	0	1.07E-15	1.07E-15	5.50E-13	4.01E-05	0	6.69E-14	0	1.07E-15	1.75E-12	0	0	4.01E-05
236	ALL	645841	4199980	NonCancer	0	4.20E-14	0	1.15E-15	1.15E-15	5.90E-13	4.21E-05	0	7.17E-14	0	1.15E-15	1.88E-12	0	0	4.21E-05
237	ALL	645941	4199980	NonCancer	0	4.44E-14	0	1.21E-15	1.21E-15	6.24E-13	4.50E-05	0	7.58E-14	0	1.21E-15	1.99E-12	0	0	4.50E-05
238	ALL	646041	4199980	NonCancer	0	4.58E-14	0	1.25E-15	1.25E-15	6.44E-13	4.86E-05	0	7.83E-14	0	1.25E-15	2.05E-12	0	0	4.86E-05
239	ALL	646141	4199980	NonCancer	0	4.63E-14	0	1.27E-15	1.27E-15	6.51E-13	5.15E-05	0	7.90E-14	0	1.27E-15	2.07E-12	0	0	5.15E-05
240	ALL	646241	4199980	NonCancer	0	4.60E-14	0	1.26E-15	1.26E-15	6.47E-13	5.28E-05	0	7.86E-14	0	1.26E-15	2.06E-12	0	0	5.28E-05
241	ALL	646341	4199980	NonCancer	0	4.53E-14	0	1.24E-15	1.24E-15	6.36E-13	5.25E-05	0	7.73E-14	0	1.24E-15	2.03E-12	0	0	5.25E-05
242	ALL	646441	4199980	NonCancer	0	4.40E-14	0	1.20E-15	1.20E-15	6.18E-13	5.11E-05	0	7.51E-14	0	1.20E-15	1.97E-12	0	0	5.11E-05
243	ALL	646541	4199980	NonCancer	0	4.21E-14	0	1.15E-15	1.15E-15	5.92E-13	4.90E-05	0	7.19E-14	0	1.15E-15	1.89E-12	0	0	4.90E-05
244	ALL	646641	4199980	NonCancer	0	3.98E-14	0	1.09E-15	1.09E-15	5.59E-13	4.65E-05	0	6.79E-14	0	1.09E-15	1.78E-12	0	0	4.65E-05
245	ALL	646741	4199980	NonCancer	0	3.73E-14	0	1.02E-15	1.02E-15	5.24E-13	4.36E-05	0	6.37E-14	0	1.02E-15	1.67E-12	0	0	4.36E-05
246	ALL	646841	4199980	NonCancer	0	3.48E-14	0	9.49E-16	9.49E-16	4.88E-13	4.05E-05	0	5.93E-14	0	9.49E-16	1.56E-12	0	0	4.05E-05
247	ALL	646941	4199980	NonCancer	0	3.22E-14	0	8.79E-16	8.79E-16	4.52E-13	3.74E-05	0	5.50E-14	0	8.79E-16	1.44E-12	0	0	3.74E-05
248	ALL	647041	4199980	NonCancer	0	2.98E-14	0	8.12E-16	8.12E-16	4.17E-13	3.44E-05	0	5.07E-14	0	8.12E-16	1.33E-12	0	0	3.44E-05
249	ALL	647141	4199980	NonCancer	0	2.74E-14	0	7.47E-16	7.47E-16	3.84E-13	3.15E-05	0	4.67E-14	0	7.47E-16	1.22E-12	0	0	3.15E-05
250	ALL	647241	4199980	NonCancer	0	2.52E-14	0	6.87E-16	6.87E-16	3.53E-13	2.89E-05	0	4.30E-14	0	6.87E-16	1.13E-12	0	0	2.89E-05
251	ALL	647341	4199980	NonCancer	0	2.31E-14	0	6.31E-16	6.31E-16	3.24E-13	2.65E-05	0	3.95E-14	0	6.31E-16	1.03E-12	0	0	2.65E-05
252	ALL	644341	4200080	NonCancer	0	1.02E-14	0	2.79E-16	2.79E-16	1.43E-13	1.04E-05	0	1.74E-14	0	2.79E-16	4.57E-13	0	0	1.04E-05
253	ALL	644441	4200080	NonCancer	0	1.12E-14	0	3.05E-16	3.05E-16	1.57E-13	1.13E-05	0	1.90E-14	0	3.05E-16	4.99E-13	0	0	1.13E-05
254	ALL	644541	4200080	NonCancer	0	1.22E-14	0	3.34E-16	3.34E-16	1.72E-13	1.22E-05	0	2.09E-14	0	3.34E-16	5.47E-13	0	0	1.22E-05
255	ALL	644641	4200080	NonCancer	0	1.34E-14	0	3.67E-16	3.67E-16	1.89E-13	1.33E-05	0	2.29E-14	0	3.67E-16	6.02E-13	0	0	1.33E-05
256	ALL	644741	4200080	NonCancer	0	1.48E-14	0	4.06E-16	4.06E-16	2.09E-13	1.45E-05	0	2.53E-14	0	4.06E-16	6.65E-13	0	0	1.45E-05
257	ALL	644841	4200080	NonCancer	0	1.65E-14	0	4.50E-16	4.50E-16	2.31E-13	1.58E-05	0	2.81E-14	0	4.50E-16	7.38E-13	0	0	1.58E-05
258	ALL	644941	4200080	NonCancer	0	1.84E-14	0	5.02E-16	5.02E-16	2.58E-13	1.73E-05	0	3.14E-14	0	5.02E-16	8.23E-13	0	0	1.73E-05
259	ALL	645041	4200080	NonCancer	0	2.07E-14	0	5.65E-16	5.65E-16	2.91E-13	1.92E-05	0	3.53E-14	0	5.65E-16	9.26E-13	0	0	1.92E-05
260	ALL	645141	4200080	NonCancer	0	2.36E-14	0	6.44E-16	6.44E-16	3.31E-13	2.15E-05	0	4.02E-14	0	6.44E-16	1.06E-12	0	0	2.15E-05
261	ALL	645241	4200080	NonCancer	0	2.73E-14	0	7.46E-16	7.46E-16	3.83E-13	2.45E-05	0	4.66E-14	0	7.46E-16	1.22E-12	0	0	2.45E-05

262	ALL	645341	4200080	NonCancer	0	3.19E-14	0	8.72E-16	8.72E-16	4.48E-13	2.87E-05	0	5.44E-14	0	8.72E-16	1.43E-12	0	0	2.87E-05
263	ALL	645441	4200080	NonCancer	0	3.70E-14	0	1.01E-15	1.01E-15	5.19E-13	3.42E-05	0	6.31E-14	0	1.01E-15	1.65E-12	0	0	3.42E-05
264	ALL	645541	4200080	NonCancer	0	4.15E-14	0	1.13E-15	1.13E-15	5.83E-13	4.03E-05	0	7.08E-14	0	1.13E-15	1.86E-12	0	0	4.03E-05
265	ALL	645641	4200080	NonCancer	0	4.53E-14	0	1.24E-15	1.24E-15	6.36E-13	4.58E-05	0	7.73E-14	0	1.24E-15	2.03E-12	0	0	4.58E-05
266	ALL	645741	4200080	NonCancer	0	4.92E-14	0	1.34E-15	1.34E-15	6.91E-13	4.98E-05	0	8.40E-14	0	1.34E-15	2.20E-12	0	0	4.98E-05
267	ALL	645841	4200080	NonCancer	0	5.33E-14	0	1.46E-15	1.46E-15	7.49E-13	5.31E-05	0	9.10E-14	0	1.46E-15	2.39E-12	0	0	5.31E-05
268	ALL	645941	4200080	NonCancer	0	5.65E-14	0	1.54E-15	1.54E-15	7.93E-13	5.74E-05	0	9.64E-14	0	1.54E-15	2.53E-12	0	0	5.74E-05
269	ALL	646041	4200080	NonCancer	0	5.79E-14	0	1.58E-15	1.58E-15	8.14E-13	6.24E-05	0	9.89E-14	0	1.58E-15	2.60E-12	0	0	6.24E-05
270	ALL	646141	4200080	NonCancer	0	5.78E-14	0	1.58E-15	1.58E-15	8.12E-13	6.57E-05	0	9.86E-14	0	1.58E-15	2.59E-12	0	0	6.57E-05
271	ALL	646241	4200080	NonCancer	0	5.67E-14	0	1.55E-15	1.55E-15	7.97E-13	6.65E-05	0	9.68E-14	0	1.55E-15	2.54E-12	0	0	6.65E-05
272	ALL	646341	4200080	NonCancer	0	5.49E-14	0	1.50E-15	1.50E-15	7.73E-13	6.51E-05	0	9.38E-14	0	1.50E-15	2.46E-12	0	0	6.51E-05
273	ALL	646441	4200080	NonCancer	0	5.25E-14	0	1.44E-15	1.44E-15	7.38E-13	6.23E-05	0	8.96E-14	0	1.44E-15	2.35E-12	0	0	6.23E-05
274	ALL	646541	4200080	NonCancer	0	4.95E-14	0	1.35E-15	1.35E-15	6.95E-13	5.87E-05	0	8.45E-14	0	1.35E-15	2.22E-12	0	0	5.87E-05
275	ALL	646641	4200080	NonCancer	0	4.60E-14	0	1.26E-15	1.26E-15	6.46E-13	5.45E-05	0	7.85E-14	0	1.26E-15	2.06E-12	0	0	5.45E-05
276	ALL	646741	4200080	NonCancer	0	4.25E-14	0	1.16E-15	1.16E-15	5.96E-13	4.99E-05	0	7.24E-14	0	1.16E-15	1.90E-12	0	0	4.99E-05
277	ALL	646841	4200080	NonCancer	0	3.90E-14	0	1.06E-15	1.06E-15	5.47E-13	4.55E-05	0	6.65E-14	0	1.06E-15	1.74E-12	0	0	4.55E-05
278	ALL	646941	4200080	NonCancer	0	3.56E-14	0	9.71E-16	9.71E-16	4.99E-13	4.12E-05	0	6.07E-14	0	9.71E-16	1.59E-12	0	0	4.12E-05
279	ALL	647041	4200080	NonCancer	0	3.24E-14	0	8.84E-16	8.84E-16	4.54E-13	3.73E-05	0	5.53E-14	0	8.84E-16	1.45E-12	0	0	3.73E-05
280	ALL	647141	4200080	NonCancer	0	2.95E-14	0	8.03E-16	8.03E-16	4.13E-13	3.37E-05	0	5.03E-14	0	8.03E-16	1.32E-12	0	0	3.37E-05
281	ALL	647241	4200080	NonCancer	0	2.68E-14	0	7.30E-16	7.30E-16	3.75E-13	3.06E-05	0	4.57E-14	0	7.30E-16	1.20E-12	0	0	3.06E-05
282	ALL	647341	4200080	NonCancer	0	2.44E-14	0	6.64E-16	6.64E-16	3.41E-13	2.78E-05	0	4.15E-14	0	6.64E-16	1.09E-12	0	0	2.78E-05
283	ALL	644341	4200180	NonCancer	0	1.08E-14	0	2.95E-16	2.95E-16	1.51E-13	1.12E-05	0	1.84E-14	0	2.95E-16	4.83E-13	0	0	1.12E-05
284	ALL	644441	4200180	NonCancer	0	1.18E-14	0	3.24E-16	3.24E-16	1.66E-13	1.22E-05	0	2.02E-14	0	3.24E-16	5.30E-13	0	0	1.22E-05
285	ALL	644541	4200180	NonCancer	0	1.31E-14	0	3.57E-16	3.57E-16	1.84E-13	1.33E-05	0	2.23E-14	0	3.57E-16	5.85E-13	0	0	1.33E-05
286	ALL	644641	4200180	NonCancer	0	1.45E-14	0	3.96E-16	3.96E-16	2.04E-13	1.45E-05	0	2.48E-14	0	3.96E-16	6.49E-13	0	0	1.45E-05
287	ALL	644741	4200180	NonCancer	0	1.62E-14	0	4.42E-16	4.42E-16	2.27E-13	1.60E-05	0	2.76E-14	0	4.42E-16	7.24E-13	0	0	1.60E-05
288	ALL	644841	4200180	NonCancer	0	1.81E-14	0	4.96E-16	4.96E-16	2.55E-13	1.76E-05	0	3.10E-14	0	4.96E-16	8.12E-13	0	0	1.76E-05
289	ALL	644941	4200180	NonCancer	0	2.05E-14	0	5.59E-16	5.59E-16	2.87E-13	1.95E-05	0	3.49E-14	0	5.59E-16	9.16E-13	0	0	1.95E-05
290	ALL	645041	4200180	NonCancer	0	2.33E-14	0	6.36E-16	6.36E-16	3.27E-13	2.17E-05	0	3.97E-14	0	6.36E-16	1.04E-12	0	0	2.17E-05
291	ALL	645141	4200180	NonCancer	0	2.68E-14	0	7.32E-16	7.32E-16	3.76E-13	2.44E-05	0	4.57E-14	0	7.32E-16	1.20E-12	0	0	2.44E-05
292	ALL	645241	4200180	NonCancer	0	3.14E-14	0	8.56E-16	8.56E-16	4.40E-13	2.79E-05	0	5.35E-14	0	8.56E-16	1.40E-12	0	0	2.79E-05
293	ALL	645341	4200180	NonCancer	0	3.74E-14	0	1.02E-15	1.02E-15	5.25E-13	3.27E-05	0	6.39E-14	0	1.02E-15	1.67E-12	0	0	3.27E-05
294	ALL	645441	4200180	NonCancer	0	4.48E-14	0	1.22E-15	1.22E-15	6.29E-13	3.95E-05	0	7.65E-14	0	1.22E-15	2.01E-12	0	0	3.95E-05
295	ALL	645541	4200180	NonCancer	0	5.21E-14	0	1.42E-15	1.42E-15	7.32E-13	4.81E-05	0	8.89E-14	0	1.42E-15	2.33E-12	0	0	4.81E-05
296	ALL	645641	4200180	NonCancer	0	5.82E-14	0	1.59E-15	1.59E-15	8.18E-13	5.69E-05	0	9.94E-14	0	1.59E-15	2.61E-12	0	0	5.69E-05
297	ALL	645741	4200180	NonCancer	0	6.45E-14	0	1.76E-15	1.76E-15	9.05E-13	6.38E-05	0	1.10E-13	0	1.76E-15	2.88E-12	0	0	6.38E-05
298	ALL	645841	4200180	NonCancer	0	7.05E-14	0	1.93E-15	1.93E-15	9.90E-13	6.94E-05	0	1.20E-13	0	1.93E-15	3.15E-12	0	0	6.94E-05
299	ALL	645941	4200180	NonCancer	0	7.44E-14	0	2.03E-15	2.03E-15	1.05E-12	7.61E-05	0	1.27E-13	0	2.03E-15	3.33E-12	0	0	7.61E-05
300	ALL	646041	4200180	NonCancer	0	7.53E-14	0	2.06E-15	2.06E-15	1.06E-12	8.32E-05	0	1.29E-13	0	2.06E-15	3.38E-12	0	0	8.32E-05
301	ALL	646141	4200180	NonCancer	0	7.38E-14	0	2.02E-15	2.02E-15	1.04E-12	8.69E-05	0	1.26E-13	0	2.02E-15	3.31E-12	0	0	8.69E-05
302	ALL	646241	4200180	NonCancer	0	7.09E-14	0	1.94E-15	1.94E-15	9.99E-13	8.63E-05	0	1.21E-13	0	1.94E-15	3.18E-12	0	0	8.63E-05
303	ALL	646341	4200180	NonCancer	0	6.73E-14	0	1.84E-15	1.84E-15	9.48E-13	8.24E-05	0	1.15E-13	0	1.84E-15	3.02E-12	0	0	8.24E-05
304	ALL	646441	4200180	NonCancer	0	6.31E-14	0	1.73E-15	1.73E-15	8.88E-13	7.69E-05	0	1.08E-13	0	1.73E-15	2.83E-12	0	0	7.69E-05
305	ALL	646541	4200180	NonCancer	0	5.83E-14	0	1.59E-15	1.59E-15	8.20E-13	7.03E-05	0	9.95E-14	0	1.59E-15	2.61E-12	0	0	7.03E-05
306	ALL	646641	4200180	NonCancer	0	5.32E-14	0	1.45E-15	1.45E-15	7.48E-13	6.33E-05	0	9.08E-14	0	1.45E-15	2.38E-12	0	0	6.33E-05
307	ALL	646741	4200180	NonCancer	0	4.82E-14	0	1.32E-15	1.32E-15	6.77E-13	5.66E-05	0	8.23E-14	0	1.32E-15	2.16E-12	0	0	5.66E-05
308	ALL	646841	4200180	NonCancer	0	4.35E-14	0	1.19E-15	1.19E-15	6.10E-13	5.03E-05	0	7.42E-14	0	1.19E-15	1.95E-12	0	0	5.03E-05
309	ALL	646941	4200180	NonCancer	0	3.91E-14	0	1.07E-15	1.07E-15	5.48E-13	4.47E-05	0	6.67E-14	0	1.07E-15	1.75E-12	0	0	4.47E-05
310	ALL	647041	4200180	NonCancer	0	3.51E-14	0	9.55E-16	9.55E-16	4.91E-13	3.98E-05	0	5.98E-14	0	9.55E-16	1.56E-12	0	0	3.98E-05
311	ALL	647141	4200180	NonCancer	0	3.14E-14	0	8.56E-16	8.56E-16	4.40E-13	3.56E-05	0	5.36E-14	0	8.56E-16	1.40E-12	0	0	3.56E-05
312	ALL	647241	4200180	NonCancer	0	2.82E-14	0	7.69E-16	7.69E-16	3.95E-13	3.20E-05	0	4.81E-14	0	7.69E-16	1.26E-12	0	0	3.20E-05
313	ALL	647341	4200180	NonCancer	0	2.55E-14	0	6.93E-16	6.93E-16	3.56E-13	2.89E-05	0	4.34E-14	0	6.93E-16	1.13E-12	0	0	2.89E-05
314	ALL	644341	4200280	NonCancer	0	1.13E-14	0	3.10E-16	3.10E-16	1.59E-13	1.20E-05	0	1.93E-14	0	3.10E-16	5.07E-13	0	0	1.20E-05

315	ALL	644441	4200280	NonCancer	0	1.25E-14	0	3.42E-16	3.42E-16	1.76E-13	1.31E-05	0	2.14E-14	0	3.42E-16	5.61E-13	0	0	1.31E-05
316	ALL	644541	4200280	NonCancer	0	1.39E-14	0	3.80E-16	3.80E-16	1.95E-13	1.44E-05	0	2.38E-14	0	3.80E-16	6.23E-13	0	0	1.44E-05
317	ALL	644641	4200280	NonCancer	0	1.56E-14	0	4.26E-16	4.26E-16	2.19E-13	1.59E-05	0	2.66E-14	0	4.26E-16	6.97E-13	0	0	1.59E-05
318	ALL	644741	4200280	NonCancer	0	1.75E-14	0	4.79E-16	4.79E-16	2.46E-13	1.77E-05	0	2.99E-14	0	4.79E-16	7.85E-13	0	0	1.77E-05
319	ALL	644841	4200280	NonCancer	0	1.99E-14	0	5.44E-16	5.44E-16	2.80E-13	1.97E-05	0	3.40E-14	0	5.44E-16	8.92E-13	0	0	1.97E-05
320	ALL	644941	4200280	NonCancer	0	2.28E-14	0	6.23E-16	6.23E-16	3.20E-13	2.20E-05	0	3.89E-14	0	6.23E-16	1.02E-12	0	0	2.20E-05
321	ALL	645041	4200280	NonCancer	0	2.63E-14	0	7.20E-16	7.20E-16	3.70E-13	2.49E-05	0	4.50E-14	0	7.20E-16	1.18E-12	0	0	2.49E-05
322	ALL	645141	4200280	NonCancer	0	3.08E-14	0	8.41E-16	8.41E-16	4.32E-13	2.82E-05	0	5.25E-14	0	8.41E-16	1.38E-12	0	0	2.82E-05
323	ALL	645241	4200280	NonCancer	0	3.66E-14	0	1.00E-15	1.00E-15	5.14E-13	3.24E-05	0	6.25E-14	0	1.00E-15	1.64E-12	0	0	3.24E-05
324	ALL	645341	4200280	NonCancer	0	4.46E-14	0	1.22E-15	1.22E-15	6.26E-13	3.81E-05	0	7.62E-14	0	1.22E-15	2.00E-12	0	0	3.81E-05
325	ALL	645441	4200280	NonCancer	0	5.57E-14	0	1.52E-15	1.52E-15	7.81E-13	4.63E-05	0	9.50E-14	0	1.52E-15	2.49E-12	0	0	4.63E-05
326	ALL	645541	4200280	NonCancer	0	6.82E-14	0	1.86E-15	1.86E-15	9.56E-13	5.82E-05	0	1.16E-13	0	1.86E-15	3.05E-12	0	0	5.82E-05
327	ALL	645641	4200280	NonCancer	0	7.92E-14	0	2.16E-15	2.16E-15	1.11E-12	7.24E-05	0	1.35E-13	0	2.16E-15	3.54E-12	0	0	7.24E-05
328	ALL	645741	4200280	NonCancer	0	9.00E-14	0	2.46E-15	2.46E-15	1.26E-12	8.51E-05	0	1.53E-13	0	2.46E-15	4.02E-12	0	0	8.51E-05
329	ALL	645841	4200280	NonCancer	0	9.88E-14	0	2.70E-15	2.70E-15	1.39E-12	9.54E-05	0	1.69E-13	0	2.70E-15	4.42E-12	0	0	9.54E-05
330	ALL	645941	4200280	NonCancer	0	1.03E-13	0	2.81E-15	2.81E-15	1.44E-12	0.000107	0	1.75E-13	0	2.81E-15	4.60E-12	0	0	0.000107
331	ALL	646041	4200280	NonCancer	0	1.01E-13	0	2.77E-15	2.77E-15	1.42E-12	0.000117	0	1.73E-13	0	2.77E-15	4.54E-12	0	0	0.000117
332	ALL	646141	4200280	NonCancer	0	9.62E-14	0	2.64E-15	2.64E-15	1.35E-12	0.00012	0	1.64E-13	0	2.64E-15	4.32E-12	0	0	0.00012
333	ALL	646241	4200280	NonCancer	0	8.97E-14	0	2.46E-15	2.46E-15	1.26E-12	0.000115	0	1.53E-13	0	2.46E-15	4.03E-12	0	0	0.000115
334	ALL	646341	4200280	NonCancer	0	8.33E-14	0	2.28E-15	2.28E-15	1.17E-12	0.000106	0	1.42E-13	0	2.28E-15	3.74E-12	0	0	0.000106
335	ALL	646441	4200280	NonCancer	0	7.64E-14	0	2.09E-15	2.09E-15	1.07E-12	9.49E-05	0	1.30E-13	0	2.09E-15	3.43E-12	0	0	9.49E-05
336	ALL	646541	4200280	NonCancer	0	6.90E-14	0	1.89E-15	1.89E-15	9.70E-13	8.33E-05	0	1.18E-13	0	1.89E-15	3.09E-12	0	0	8.33E-05
337	ALL	646641	4200280	NonCancer	0	6.16E-14	0	1.68E-15	1.68E-15	8.65E-13	7.24E-05	0	1.05E-13	0	1.68E-15	2.76E-12	0	0	7.24E-05
338	ALL	646741	4200280	NonCancer	0	5.47E-14	0	1.49E-15	1.49E-15	7.67E-13	6.28E-05	0	9.33E-14	0	1.49E-15	2.44E-12	0	0	6.28E-05
339	ALL	646841	4200280	NonCancer	0	4.83E-14	0	1.32E-15	1.32E-15	6.76E-13	5.46E-05	0	8.23E-14	0	1.32E-15	2.16E-12	0	0	5.46E-05
340	ALL	646941	4200280	NonCancer	0	4.25E-14	0	1.16E-15	1.16E-15	5.95E-13	4.77E-05	0	7.25E-14	0	1.16E-15	1.90E-12	0	0	4.77E-05
341	ALL	647041	4200280	NonCancer	0	3.75E-14	0	1.02E-15	1.02E-15	5.24E-13	4.20E-05	0	6.39E-14	0	1.02E-15	1.67E-12	0	0	4.20E-05
342	ALL	647141	4200280	NonCancer	0	3.32E-14	0	9.02E-16	9.02E-16	4.63E-13	3.71E-05	0	5.65E-14	0	9.02E-16	1.48E-12	0	0	3.71E-05
343	ALL	647241	4200280	NonCancer	0	2.95E-14	0	8.01E-16	8.01E-16	4.12E-13	3.31E-05	0	5.02E-14	0	8.01E-16	1.31E-12	0	0	3.31E-05
344	ALL	647341	4200280	NonCancer	0	2.63E-14	0	7.16E-16	7.16E-16	3.68E-13	2.97E-05	0	4.49E-14	0	7.16E-16	1.17E-12	0	0	2.97E-05
345	ALL	644341	4200380	NonCancer	0	1.19E-14	0	3.25E-16	3.25E-16	1.67E-13	1.29E-05	0	2.03E-14	0	3.25E-16	5.32E-13	0	0	1.29E-05
346	ALL	644441	4200380	NonCancer	0	1.32E-14	0	3.60E-16	3.60E-16	1.85E-13	1.42E-05	0	2.25E-14	0	3.60E-16	5.91E-13	0	0	1.42E-05
347	ALL	644541	4200380	NonCancer	0	1.48E-14	0	4.03E-16	4.03E-16	2.07E-13	1.57E-05	0	2.52E-14	0	4.03E-16	6.61E-13	0	0	1.57E-05
348	ALL	644641	4200380	NonCancer	0	1.66E-14	0	4.54E-16	4.54E-16	2.34E-13	1.74E-05	0	2.84E-14	0	4.54E-16	7.45E-13	0	0	1.74E-05
349	ALL	644741	4200380	NonCancer	0	1.89E-14	0	5.17E-16	5.17E-16	2.66E-13	1.95E-05	0	3.23E-14	0	5.17E-16	8.47E-13	0	0	1.95E-05
350	ALL	644841	4200380	NonCancer	0	2.17E-14	0	5.94E-16	5.94E-16	3.05E-13	2.20E-05	0	3.71E-14	0	5.94E-16	9.73E-13	0	0	2.20E-05
351	ALL	644941	4200380	NonCancer	0	2.53E-14	0	6.90E-16	6.90E-16	3.55E-13	2.49E-05	0	4.31E-14	0	6.90E-16	1.13E-12	0	0	2.49E-05
352	ALL	645041	4200380	NonCancer	0	2.98E-14	0	8.13E-16	8.13E-16	4.18E-13	2.85E-05	0	5.08E-14	0	8.13E-16	1.33E-12	0	0	2.85E-05
353	ALL	645141	4200380	NonCancer	0	3.56E-14	0	9.73E-16	9.73E-16	5.00E-13	3.30E-05	0	6.08E-14	0	9.73E-16	1.59E-12	0	0	3.30E-05
354	ALL	645241	4200380	NonCancer	0	4.35E-14	0	1.19E-15	1.19E-15	6.10E-13	3.85E-05	0	7.42E-14	0	1.19E-15	1.94E-12	0	0	3.85E-05
355	ALL	645341	4200380	NonCancer	0	5.46E-14	0	1.49E-15	1.49E-15	7.65E-13	4.57E-05	0	9.31E-14	0	1.49E-15	2.44E-12	0	0	4.57E-05
356	ALL	645441	4200380	NonCancer	0	7.15E-14	0	1.95E-15	1.95E-15	1.00E-12	5.60E-05	0	1.22E-13	0	1.95E-15	3.19E-12	0	0	5.60E-05
357	ALL	645541	4200380	NonCancer	0	9.47E-14	0	2.58E-15	2.58E-15	1.33E-12	7.20E-05	0	1.61E-13	0	2.58E-15	4.23E-12	0	0	7.20E-05
358	ALL	645641	4200380	NonCancer	0	1.18E-13	0	3.21E-15	3.21E-15	1.65E-12	9.50E-05	0	2.01E-13	0	3.21E-15	5.27E-12	0	0	9.50E-05
359	ALL	645741	4200380	NonCancer	0	1.39E-13	0	3.79E-15	3.79E-15	1.95E-12	0.00012	0	2.37E-13	0	3.79E-15	6.21E-12	0	0	0.00012
360	ALL	645841	4200380	NonCancer	0	1.50E-13	0	4.10E-15	4.10E-15	2.11E-12	0.000141	0	2.57E-13	0	4.10E-15	6.72E-12	0	0	0.000141
361	ALL	645941	4200380	NonCancer	0	1.49E-13	0	4.07E-15	4.07E-15	2.09E-12	0.000162	0	2.54E-13	0	4.07E-15	6.67E-12	0	0	0.000162
362	ALL	646041	4200380	NonCancer	0	1.39E-13	0	3.81E-15	3.81E-15	1.96E-12	0.000176	0	2.38E-13	0	3.81E-15	6.25E-12	0	0	0.000176
363	ALL	646141	4200380	NonCancer	0	1.27E-13	0	3.48E-15	3.48E-15	1.79E-12	0.000173	0	2.17E-13	0	3.48E-15	5.70E-12	0	0	0.000173
364	ALL	646241	4200380	NonCancer	0	1.15E-13	0	3.15E-15	3.15E-15	1.62E-12	0.000157	0	1.96E-13	0	3.15E-15	5.16E-12	0	0	0.000157
365	ALL	646341	4200380	NonCancer	0	1.04E-13	0	2.86E-15	2.86E-15	1.47E-12	0.000136	0	1.78E-13	0	2.86E-15	4.68E-12	0	0	0.000136
366	ALL	646441	4200380	NonCancer	0	9.33E-14	0	2.56E-15	2.56E-15	1.31E-12	0.000115	0	1.59E-13	0	2.56E-15	4.19E-12	0	0	0.000115
367	ALL	646541	4200380	NonCancer	0	8.22E-14	0	2.25E-15	2.25E-15	1.15E-12	9.64E-05	0	1.40E-13	0	2.25E-15	3.68E-12	0	0	9.64E-05

368	ALL	646641	4200380	NonCance	0	7.14E-14	0	1.95E-15	1.95E-15	1.00E-12	8.08E-05	0	1.22E-13	0	1.95E-15	3.19E-12	0	0	8.08E-05
369	ALL	646741	4200380	NonCance	0	6.16E-14	0	1.68E-15	1.68E-15	8.62E-13	6.82E-05	0	1.05E-13	0	1.68E-15	2.75E-12	0	0	6.82E-05
370	ALL	646841	4200380	NonCance	0	5.29E-14	0	1.44E-15	1.44E-15	7.40E-13	5.81E-05	0	9.01E-14	0	1.44E-15	2.36E-12	0	0	5.81E-05
371	ALL	646941	4200380	NonCance	0	4.56E-14	0	1.24E-15	1.24E-15	6.37E-13	5.01E-05	0	7.76E-14	0	1.24E-15	2.03E-12	0	0	5.01E-05
372	ALL	647041	4200380	NonCance	0	3.95E-14	0	1.07E-15	1.07E-15	5.52E-13	4.36E-05	0	6.73E-14	0	1.07E-15	1.76E-12	0	0	4.36E-05
373	ALL	647141	4200380	NonCance	0	3.45E-14	0	9.38E-16	9.38E-16	4.82E-13	3.82E-05	0	5.88E-14	0	9.38E-16	1.54E-12	0	0	3.82E-05
374	ALL	647241	4200380	NonCance	0	3.04E-14	0	8.26E-16	8.26E-16	4.25E-13	3.39E-05	0	5.18E-14	0	8.26E-16	1.35E-12	0	0	3.39E-05
375	ALL	647341	4200380	NonCance	0	2.70E-14	0	7.34E-16	7.34E-16	3.77E-13	3.02E-05	0	4.60E-14	0	7.34E-16	1.20E-12	0	0	3.02E-05
376	ALL	644341	4200480	NonCance	0	1.25E-14	0	3.41E-16	3.41E-16	1.75E-13	1.39E-05	0	2.13E-14	0	3.41E-16	5.59E-13	0	0	1.39E-05
377	ALL	644441	4200480	NonCance	0	1.39E-14	0	3.80E-16	3.80E-16	1.95E-13	1.54E-05	0	2.37E-14	0	3.80E-16	6.23E-13	0	0	1.54E-05
378	ALL	644541	4200480	NonCance	0	1.56E-14	0	4.27E-16	4.27E-16	2.20E-13	1.71E-05	0	2.67E-14	0	4.27E-16	7.00E-13	0	0	1.71E-05
379	ALL	644641	4200480	NonCance	0	1.77E-14	0	4.84E-16	4.84E-16	2.49E-13	1.91E-05	0	3.03E-14	0	4.84E-16	7.94E-13	0	0	1.91E-05
380	ALL	644741	4200480	NonCance	0	2.03E-14	0	5.55E-16	5.55E-16	2.85E-13	2.15E-05	0	3.47E-14	0	5.55E-16	9.10E-13	0	0	2.15E-05
381	ALL	644841	4200480	NonCance	0	2.36E-14	0	6.45E-16	6.45E-16	3.31E-13	2.45E-05	0	4.03E-14	0	6.45E-16	1.06E-12	0	0	2.45E-05
382	ALL	644941	4200480	NonCance	0	2.78E-14	0	7.60E-16	7.60E-16	3.90E-13	2.82E-05	0	4.75E-14	0	7.60E-16	1.25E-12	0	0	2.82E-05
383	ALL	645041	4200480	NonCance	0	3.34E-14	0	9.13E-16	9.13E-16	4.69E-13	3.28E-05	0	5.70E-14	0	9.13E-16	1.50E-12	0	0	3.28E-05
384	ALL	645141	4200480	NonCance	0	4.11E-14	0	1.12E-15	1.12E-15	5.76E-13	3.87E-05	0	7.01E-14	0	1.12E-15	1.84E-12	0	0	3.87E-05
385	ALL	645241	4200480	NonCance	0	5.20E-14	0	1.42E-15	1.42E-15	7.30E-13	4.63E-05	0	8.87E-14	0	1.42E-15	2.33E-12	0	0	4.63E-05
386	ALL	645341	4200480	NonCance	0	6.86E-14	0	1.87E-15	1.87E-15	9.61E-13	5.65E-05	0	1.17E-13	0	1.87E-15	3.07E-12	0	0	5.65E-05
387	ALL	645441	4200480	NonCance	0	9.58E-14	0	2.61E-15	2.61E-15	1.34E-12	7.05E-05	0	1.63E-13	0	2.61E-15	4.27E-12	0	0	7.05E-05
388	ALL	645541	4200480	NonCance	0	1.46E-13	0	3.96E-15	3.96E-15	2.03E-12	9.29E-05	0	2.48E-13	0	3.96E-15	6.48E-12	0	0	9.29E-05
389	ALL	645641	4200480	NonCance	0	2.13E-13	0	5.77E-15	5.77E-15	2.96E-12	0.000131	0	3.62E-13	0	5.77E-15	9.45E-12	0	0	0.000131
390	ALL	645741	4200480	NonCance	0	2.63E-13	0	7.13E-15	7.13E-15	3.66E-12	0.000184	0	4.47E-13	0	7.13E-15	1.17E-11	0	0	0.000184
391	ALL	645841	4200480	NonCance	0	2.56E-13	0	6.99E-15	6.99E-15	3.59E-12	0.000237	0	4.37E-13	0	6.99E-15	1.15E-11	0	0	0.000237
392	ALL	645941	4200480	NonCance	0	2.26E-13	0	6.19E-15	6.19E-15	3.18E-12	0.00028	0	3.86E-13	0	6.19E-15	1.01E-11	0	0	0.00028
393	ALL	646041	4200480	NonCance	0	1.94E-13	0	5.34E-15	5.34E-15	2.75E-12	0.000292	0	3.32E-13	0	5.34E-15	8.75E-12	0	0	0.000292
394	ALL	646141	4200480	NonCance	0	1.69E-13	0	4.65E-15	4.65E-15	2.39E-12	0.000262	0	2.89E-13	0	4.65E-15	7.62E-12	0	0	0.000262
395	ALL	646241	4200480	NonCance	0	1.50E-13	0	4.12E-15	4.12E-15	2.12E-12	0.000215	0	2.56E-13	0	4.12E-15	6.75E-12	0	0	0.000215
396	ALL	646341	4200480	NonCance	0	1.33E-13	0	3.67E-15	3.67E-15	1.89E-12	0.000171	0	2.28E-13	0	3.67E-15	6.01E-12	0	0	0.000171
397	ALL	646441	4200480	NonCance	0	1.16E-13	0	3.19E-15	3.19E-15	1.64E-12	0.000135	0	1.99E-13	0	3.19E-15	5.23E-12	0	0	0.000135
398	ALL	646541	4200480	NonCance	0	9.87E-14	0	2.69E-15	2.69E-15	1.38E-12	0.000107	0	1.68E-13	0	2.69E-15	4.41E-12	0	0	0.000107
399	ALL	646641	4200480	NonCance	0	8.21E-14	0	2.24E-15	2.24E-15	1.15E-12	8.71E-05	0	1.40E-13	0	2.24E-15	3.66E-12	0	0	8.71E-05
400	ALL	646741	4200480	NonCance	0	6.81E-14	0	1.85E-15	1.85E-15	9.50E-13	7.20E-05	0	1.16E-13	0	1.85E-15	3.03E-12	0	0	7.20E-05
401	ALL	646841	4200480	NonCance	0	5.68E-14	0	1.54E-15	1.54E-15	7.92E-13	6.04E-05	0	9.67E-14	0	1.54E-15	2.53E-12	0	0	6.04E-05
402	ALL	646941	4200480	NonCance	0	4.79E-14	0	1.30E-15	1.30E-15	6.69E-13	5.15E-05	0	8.16E-14	0	1.30E-15	2.13E-12	0	0	5.15E-05
403	ALL	647041	4200480	NonCance	0	4.10E-14	0	1.11E-15	1.11E-15	5.72E-13	4.45E-05	0	6.97E-14	0	1.11E-15	1.82E-12	0	0	4.45E-05
404	ALL	647141	4200480	NonCance	0	3.55E-14	0	9.63E-16	9.63E-16	4.95E-13	3.88E-05	0	6.04E-14	0	9.63E-16	1.58E-12	0	0	3.88E-05
405	ALL	647241	4200480	NonCance	0	3.10E-14	0	8.43E-16	8.43E-16	4.33E-13	3.42E-05	0	5.28E-14	0	8.43E-16	1.38E-12	0	0	3.42E-05
406	ALL	647341	4200480	NonCance	0	2.74E-14	0	7.45E-16	7.45E-16	3.83E-13	3.04E-05	0	4.67E-14	0	7.45E-16	1.22E-12	0	0	3.04E-05
407	ALL	644341	4200580	NonCance	0	1.31E-14	0	3.59E-16	3.59E-16	1.85E-13	1.50E-05	0	2.24E-14	0	3.59E-16	5.89E-13	0	0	1.50E-05
408	ALL	644441	4200580	NonCance	0	1.47E-14	0	4.02E-16	4.02E-16	2.06E-13	1.66E-05	0	2.51E-14	0	4.02E-16	6.58E-13	0	0	1.66E-05
409	ALL	644541	4200580	NonCance	0	1.66E-14	0	4.53E-16	4.53E-16	2.33E-13	1.86E-05	0	2.83E-14	0	4.53E-16	7.43E-13	0	0	1.86E-05
410	ALL	644641	4200580	NonCance	0	1.89E-14	0	5.17E-16	5.17E-16	2.65E-13	2.09E-05	0	3.23E-14	0	5.17E-16	8.46E-13	0	0	2.09E-05
411	ALL	644741	4200580	NonCance	0	2.18E-14	0	5.96E-16	5.96E-16	3.06E-13	2.38E-05	0	3.72E-14	0	5.96E-16	9.77E-13	0	0	2.38E-05
412	ALL	644841	4200580	NonCance	0	2.55E-14	0	6.98E-16	6.98E-16	3.59E-13	2.73E-05	0	4.36E-14	0	6.98E-16	1.14E-12	0	0	2.73E-05
413	ALL	644941	4200580	NonCance	0	3.05E-14	0	8.32E-16	8.32E-16	4.28E-13	3.18E-05	0	5.20E-14	0	8.32E-16	1.36E-12	0	0	3.18E-05
414	ALL	645041	4200580	NonCance	0	3.72E-14	0	1.02E-15	1.02E-15	5.22E-13	3.76E-05	0	6.35E-14	0	1.02E-15	1.66E-12	0	0	3.76E-05
415	ALL	645141	4200580	NonCance	0	4.68E-14	0	1.28E-15	1.28E-15	6.57E-13	4.53E-05	0	7.99E-14	0	1.28E-15	2.09E-12	0	0	4.53E-05
416	ALL	645241	4200580	NonCance	0	6.15E-14	0	1.68E-15	1.68E-15	8.62E-13	5.57E-05	0	1.05E-13	0	1.68E-15	2.75E-12	0	0	5.57E-05
417	ALL	645341	4200580	NonCance	0	8.62E-14	0	2.35E-15	2.35E-15	1.21E-12	7.06E-05	0	1.47E-13	0	2.35E-15	3.85E-12	0	0	7.06E-05
418	ALL	645441	4200580	NonCance	0	1.35E-13	0	3.66E-15	3.66E-15	1.88E-12	9.24E-05	0	2.29E-13	0	3.66E-15	6.00E-12	0	0	9.24E-05
419	ALL	645541	4200580	NonCance	0	2.72E-13	0	7.32E-15	7.32E-15	3.76E-12	0.000128	0	4.62E-13	0	7.32E-15	1.20E-11	0	0	0.000128
420	ALL	645641	4200580	NonCance	0	7.16E-13	0	1.89E-14	1.89E-14	9.74E-12	0.000197	0	1.21E-12	0	1.89E-14	3.10E-11	0	0	0.000197

421	ALL	645741	4200580	NonCancer	0	6.85E-13	0	1.85E-14	1.85E-14	9.48E-12	0.00033	0	1.16E-12	0	1.85E-14	3.02E-11	0	0	0.00033
422	ALL	645841	4200580	NonCancer	0	4.72E-13	0	1.29E-14	1.29E-14	6.62E-12	0.000499	0	8.05E-13	0	1.29E-14	2.11E-11	0	0	0.000499
423	ALL	645941	4200580	NonCancer	0	3.45E-13	0	9.47E-15	9.47E-15	4.87E-12	0.00059	0	5.90E-13	0	9.47E-15	1.55E-11	0	0	0.00059
424	ALL	646041	4200580	NonCancer	0	2.69E-13	0	7.43E-15	7.43E-15	3.82E-12	0.000536	0	4.61E-13	0	7.43E-15	1.22E-11	0	0	0.000536
425	ALL	646141	4200580	NonCancer	0	2.29E-13	0	6.34E-15	6.34E-15	3.26E-12	0.000397	0	3.93E-13	0	6.34E-15	1.04E-11	0	0	0.000397
426	ALL	646241	4200580	NonCancer	0	2.05E-13	0	5.68E-15	5.68E-15	2.92E-12	0.000279	0	3.52E-13	0	5.68E-15	9.31E-12	0	0	0.000279
427	ALL	646341	4200580	NonCancer	0	1.82E-13	0	5.02E-15	5.02E-15	2.58E-12	0.0002	0	3.12E-13	0	5.02E-15	8.22E-12	0	0	0.0002
428	ALL	646441	4200580	NonCancer	0	1.50E-13	0	4.11E-15	4.11E-15	2.11E-12	0.000148	0	2.57E-13	0	4.11E-15	6.73E-12	0	0	0.000148
429	ALL	646541	4200580	NonCancer	0	1.18E-13	0	3.20E-15	3.20E-15	1.65E-12	0.000114	0	2.01E-13	0	3.20E-15	5.25E-12	0	0	0.000114
430	ALL	646641	4200580	NonCancer	0	9.19E-14	0	2.49E-15	2.49E-15	1.28E-12	9.05E-05	0	1.56E-13	0	2.49E-15	4.08E-12	0	0	9.05E-05
431	ALL	646741	4200580	NonCancer	0	7.30E-14	0	1.98E-15	1.98E-15	1.02E-12	7.37E-05	0	1.24E-13	0	1.98E-15	3.24E-12	0	0	7.37E-05
432	ALL	646841	4200580	NonCancer	0	5.93E-14	0	1.61E-15	1.61E-15	8.26E-13	6.13E-05	0	1.01E-13	0	1.61E-15	2.63E-12	0	0	6.13E-05
433	ALL	646941	4200580	NonCancer	0	4.93E-14	0	1.34E-15	1.34E-15	6.87E-13	5.19E-05	0	8.39E-14	0	1.34E-15	2.19E-12	0	0	5.19E-05
434	ALL	647041	4200580	NonCancer	0	4.18E-14	0	1.13E-15	1.13E-15	5.82E-13	4.45E-05	0	7.11E-14	0	1.13E-15	1.86E-12	0	0	4.45E-05
435	ALL	647141	4200580	NonCancer	0	3.59E-14	0	9.75E-16	9.75E-16	5.01E-13	3.87E-05	0	6.11E-14	0	9.75E-16	1.60E-12	0	0	3.87E-05
436	ALL	647241	4200580	NonCancer	0	3.13E-14	0	8.49E-16	8.49E-16	4.37E-13	3.41E-05	0	5.33E-14	0	8.49E-16	1.39E-12	0	0	3.41E-05
437	ALL	647341	4200580	NonCancer	0	2.76E-14	0	7.48E-16	7.48E-16	3.85E-13	3.02E-05	0	4.69E-14	0	7.48E-16	1.23E-12	0	0	3.02E-05
438	ALL	644341	4200680	NonCancer	0	1.38E-14	0	3.78E-16	3.78E-16	1.94E-13	1.60E-05	0	2.36E-14	0	3.78E-16	6.19E-13	0	0	1.60E-05
439	ALL	644441	4200680	NonCancer	0	1.55E-14	0	4.24E-16	4.24E-16	2.18E-13	1.78E-05	0	2.65E-14	0	4.24E-16	6.95E-13	0	0	1.78E-05
440	ALL	644541	4200680	NonCancer	0	1.76E-14	0	4.80E-16	4.80E-16	2.47E-13	2.00E-05	0	3.00E-14	0	4.80E-16	7.87E-13	0	0	2.00E-05
441	ALL	644641	4200680	NonCancer	0	2.01E-14	0	5.50E-16	5.50E-16	2.83E-13	2.27E-05	0	3.43E-14	0	5.50E-16	9.01E-13	0	0	2.27E-05
442	ALL	644741	4200680	NonCancer	0	2.33E-14	0	6.38E-16	6.38E-16	3.28E-13	2.60E-05	0	3.98E-14	0	6.38E-16	1.05E-12	0	0	2.60E-05
443	ALL	644841	4200680	NonCancer	0	2.75E-14	0	7.52E-16	7.52E-16	3.86E-13	3.02E-05	0	4.70E-14	0	7.52E-16	1.23E-12	0	0	3.02E-05
444	ALL	644941	4200680	NonCancer	0	3.31E-14	0	9.05E-16	9.05E-16	4.65E-13	3.56E-05	0	5.65E-14	0	9.05E-16	1.48E-12	0	0	3.56E-05
445	ALL	645041	4200680	NonCancer	0	4.09E-14	0	1.12E-15	1.12E-15	5.75E-13	4.28E-05	0	6.98E-14	0	1.12E-15	1.83E-12	0	0	4.28E-05
446	ALL	645141	4200680	NonCancer	0	5.25E-14	0	1.43E-15	1.43E-15	7.36E-13	5.26E-05	0	8.95E-14	0	1.43E-15	2.35E-12	0	0	5.26E-05
447	ALL	645241	4200680	NonCancer	0	7.09E-14	0	1.93E-15	1.93E-15	9.94E-13	6.66E-05	0	1.21E-13	0	1.93E-15	3.17E-12	0	0	6.66E-05
448	ALL	645341	4200680	NonCancer	0	1.04E-13	0	2.83E-15	2.83E-15	1.45E-12	8.74E-05	0	1.77E-13	0	2.83E-15	4.63E-12	0	0	8.74E-05
449	ALL	645441	4200680	NonCancer	0	1.81E-13	0	4.91E-15	4.91E-15	2.52E-12	0.000123	0	3.08E-13	0	4.91E-15	8.05E-12	0	0	0.000123
450	ALL	645541	4200680	NonCancer	0	5.03E-13	0	1.35E-14	1.35E-14	6.92E-12	0.000188	0	8.51E-13	0	1.35E-14	2.21E-11	0	0	0.000188
451	ALL	645641	4200680	NonCancer	0	2.05E-12	0	5.85E-14	5.85E-14	3.01E-11	0.000344	0	3.56E-12	0	5.85E-14	9.59E-11	0	0	0.000344
452	ALL	645741	4200680	NonCancer	0	2.32E-12	0	6.23E-14	6.23E-14	3.20E-11	0.000959	0	3.93E-12	0	6.23E-14	1.02E-10	0	0	0.000959
453	ALL	645841	4200680	NonCancer	0	9.32E-13	0	2.55E-14	2.55E-14	1.31E-11	0.001728	0	1.59E-12	0	2.55E-14	4.18E-11	0	0	0.001728
454	ALL	645941	4200680	NonCancer	0	5.05E-13	0	1.40E-14	1.40E-14	7.19E-12	0.001732	0	8.66E-13	0	1.40E-14	2.29E-11	0	0	0.001732
455	ALL	646041	4200680	NonCancer	0	3.70E-13	0	1.03E-14	1.03E-14	5.27E-12	0.001004	0	6.35E-13	0	1.03E-14	1.68E-11	0	0	0.001004
456	ALL	646141	4200680	NonCancer	0	3.41E-13	0	9.53E-15	9.53E-15	4.90E-12	0.000533	0	5.87E-13	0	9.53E-15	1.56E-11	0	0	0.000533
457	ALL	646241	4200680	NonCancer	0	3.36E-13	0	9.46E-15	9.46E-15	4.86E-12	0.00032	0	5.80E-13	0	9.46E-15	1.55E-11	0	0	0.00032
458	ALL	646341	4200680	NonCancer	0	2.87E-13	0	7.89E-15	7.89E-15	4.06E-12	0.000213	0	4.91E-13	0	7.89E-15	1.29E-11	0	0	0.000213
459	ALL	646441	4200680	NonCancer	0	1.95E-13	0	5.28E-15	5.28E-15	2.71E-12	0.000152	0	3.32E-13	0	5.28E-15	8.65E-12	0	0	0.000152
460	ALL	646541	4200680	NonCancer	0	1.34E-13	0	3.60E-15	3.60E-15	1.85E-12	0.000115	0	2.27E-13	0	3.60E-15	5.90E-12	0	0	0.000115
461	ALL	646641	4200680	NonCancer	0	9.76E-14	0	2.63E-15	2.63E-15	1.35E-12	9.01E-05	0	1.66E-13	0	2.63E-15	4.31E-12	0	0	9.01E-05
462	ALL	646741	4200680	NonCancer	0	7.52E-14	0	2.03E-15	2.03E-15	1.04E-12	7.29E-05	0	1.28E-13	0	2.03E-15	3.33E-12	0	0	7.29E-05
463	ALL	646841	4200680	NonCancer	0	6.02E-14	0	1.63E-15	1.63E-15	8.36E-13	6.04E-05	0	1.02E-13	0	1.63E-15	2.67E-12	0	0	6.04E-05
464	ALL	646941	4200680	NonCancer	0	4.96E-14	0	1.34E-15	1.34E-15	6.90E-13	5.10E-05	0	8.43E-14	0	1.34E-15	2.20E-12	0	0	5.10E-05
465	ALL	647041	4200680	NonCancer	0	4.18E-14	0	1.13E-15	1.13E-15	5.82E-13	4.37E-05	0	7.10E-14	0	1.13E-15	1.85E-12	0	0	4.37E-05
466	ALL	647141	4200680	NonCancer	0	3.58E-14	0	9.71E-16	9.71E-16	4.99E-13	3.80E-05	0	6.09E-14	0	9.71E-16	1.59E-12	0	0	3.80E-05
467	ALL	647241	4200680	NonCancer	0	3.11E-14	0	8.44E-16	8.44E-16	4.34E-13	3.34E-05	0	5.30E-14	0	8.44E-16	1.38E-12	0	0	3.34E-05
468	ALL	647341	4200680	NonCancer	0	2.74E-14	0	7.43E-16	7.43E-16	3.82E-13	2.96E-05	0	4.66E-14	0	7.43E-16	1.22E-12	0	0	2.96E-05
469	ALL	644341	4200780	NonCancer	0	1.44E-14	0	3.94E-16	3.94E-16	2.03E-13	1.68E-05	0	2.46E-14	0	3.94E-16	6.46E-13	0	0	1.68E-05
470	ALL	644441	4200780	NonCancer	0	1.62E-14	0	4.43E-16	4.43E-16	2.28E-13	1.88E-05	0	2.77E-14	0	4.43E-16	7.26E-13	0	0	1.88E-05
471	ALL	644541	4200780	NonCancer	0	1.84E-14	0	5.03E-16	5.03E-16	2.59E-13	2.12E-05	0	3.14E-14	0	5.03E-16	8.24E-13	0	0	2.12E-05
472	ALL	644641	4200780	NonCancer	0	2.11E-14	0	5.78E-16	5.78E-16	2.97E-13	2.42E-05	0	3.61E-14	0	5.78E-16	9.46E-13	0	0	2.42E-05
473	ALL	644741	4200780	NonCancer	0	2.46E-14	0	6.72E-16	6.72E-16	3.45E-13	2.79E-05	0	4.20E-14	0	6.72E-16	1.10E-12	0	0	2.79E-05

474	ALL	644841	4200780	NonCancer	0	2.91E-14	0	7.95E-16	7.95E-16	4.09E-13	3.26E-05	0	4.96E-14	0	7.95E-16	1.30E-12	0	0	3.26E-05
475	ALL	644941	4200780	NonCancer	0	3.51E-14	0	9.60E-16	9.60E-16	4.94E-13	3.87E-05	0	6.00E-14	0	9.60E-16	1.57E-12	0	0	3.87E-05
476	ALL	645041	4200780	NonCancer	0	4.36E-14	0	1.19E-15	1.19E-15	6.13E-13	4.70E-05	0	7.44E-14	0	1.19E-15	1.95E-12	0	0	4.70E-05
477	ALL	645141	4200780	NonCancer	0	5.61E-14	0	1.53E-15	1.53E-15	7.89E-13	5.86E-05	0	9.58E-14	0	1.53E-15	2.51E-12	0	0	5.86E-05
478	ALL	645241	4200780	NonCancer	0	7.61E-14	0	2.08E-15	2.08E-15	1.07E-12	7.56E-05	0	1.30E-13	0	2.08E-15	3.41E-12	0	0	7.56E-05
479	ALL	645341	4200780	NonCancer	0	1.11E-13	0	3.03E-15	3.03E-15	1.56E-12	0.000102	0	1.89E-13	0	3.03E-15	4.97E-12	0	0	0.000102
480	ALL	645441	4200780	NonCancer	0	1.84E-13	0	5.02E-15	5.02E-15	2.58E-12	0.000149	0	3.14E-13	0	5.02E-15	8.22E-12	0	0	0.000149
481	ALL	645541	4200780	NonCancer	0	3.64E-13	0	9.92E-15	9.92E-15	5.10E-12	0.000245	0	6.21E-13	0	9.92E-15	1.63E-11	0	0	0.000245
482	ALL	645641	4200780	NonCancer	0	9.13E-13	0	2.46E-14	2.46E-14	1.27E-11	0.000525	0	1.55E-12	0	2.46E-14	4.03E-11	0	0	0.000525
483	ALL	645741	4200780	NonCancer	0	1.91E-12	0	5.51E-14	5.51E-14	2.83E-11	0.001633	0	3.34E-12	0	5.51E-14	9.02E-11	0	0	0.001633
484	ALL	646041	4200780	NonCancer	0	5.64E-13	0	1.58E-14	1.58E-14	8.10E-12	0.001208	0	9.72E-13	0	1.58E-14	2.58E-11	0	0	0.001208
485	ALL	646141	4200780	NonCancer	0	7.68E-13	0	2.25E-14	2.25E-14	1.16E-11	0.000531	0	1.35E-12	0	2.25E-14	3.68E-11	0	0	0.000531
486	ALL	646241	4200780	NonCancer	0	1.18E-12	0	3.64E-14	3.64E-14	1.87E-11	0.000303	0	2.12E-12	0	3.64E-14	5.96E-11	0	0	0.000303
487	ALL	646341	4200780	NonCancer	0	4.80E-13	0	1.26E-14	1.26E-14	6.48E-12	0.000199	0	8.06E-13	0	1.26E-14	2.07E-11	0	0	0.000199
488	ALL	646441	4200780	NonCancer	0	2.17E-13	0	5.77E-15	5.77E-15	2.96E-12	0.000143	0	3.66E-13	0	5.77E-15	9.45E-12	0	0	0.000143
489	ALL	646541	4200780	NonCancer	0	1.36E-13	0	3.63E-15	3.63E-15	1.87E-12	0.000108	0	2.30E-13	0	3.63E-15	5.95E-12	0	0	0.000108
490	ALL	646641	4200780	NonCancer	0	9.67E-14	0	2.60E-15	2.60E-15	1.34E-12	8.51E-05	0	1.64E-13	0	2.60E-15	4.26E-12	0	0	8.51E-05
491	ALL	646741	4200780	NonCancer	0	7.38E-14	0	1.99E-15	1.99E-15	1.02E-12	6.91E-05	0	1.25E-13	0	1.99E-15	3.26E-12	0	0	6.91E-05
492	ALL	646841	4200780	NonCancer	0	5.89E-14	0	1.59E-15	1.59E-15	8.17E-13	5.75E-05	0	1.00E-13	0	1.59E-15	2.61E-12	0	0	5.75E-05
493	ALL	646941	4200780	NonCancer	0	4.85E-14	0	1.31E-15	1.31E-15	6.74E-13	4.87E-05	0	8.24E-14	0	1.31E-15	2.15E-12	0	0	4.87E-05
494	ALL	647041	4200780	NonCancer	0	4.08E-14	0	1.11E-15	1.11E-15	5.68E-13	4.19E-05	0	6.94E-14	0	1.11E-15	1.81E-12	0	0	4.19E-05
495	ALL	647141	4200780	NonCancer	0	3.50E-14	0	9.49E-16	9.49E-16	4.88E-13	3.65E-05	0	5.95E-14	0	9.49E-16	1.55E-12	0	0	3.65E-05
496	ALL	647241	4200780	NonCancer	0	3.04E-14	0	8.26E-16	8.26E-16	4.24E-13	3.21E-05	0	5.18E-14	0	8.26E-16	1.35E-12	0	0	3.21E-05
497	ALL	647341	4200780	NonCancer	0	2.68E-14	0	7.27E-16	7.27E-16	3.74E-13	2.85E-05	0	4.56E-14	0	7.27E-16	1.19E-12	0	0	2.85E-05
498	ALL	644341	4200880	NonCancer	0	1.48E-14	0	4.05E-16	4.05E-16	2.08E-13	1.73E-05	0	2.53E-14	0	4.05E-16	6.64E-13	0	0	1.73E-05
499	ALL	644441	4200880	NonCancer	0	1.67E-14	0	4.56E-16	4.56E-16	2.34E-13	1.94E-05	0	2.84E-14	0	4.56E-16	7.46E-13	0	0	1.94E-05
500	ALL	644541	4200880	NonCancer	0	1.89E-14	0	5.17E-16	5.17E-16	2.66E-13	2.19E-05	0	3.23E-14	0	5.17E-16	8.47E-13	0	0	2.19E-05
501	ALL	644641	4200880	NonCancer	0	2.17E-14	0	5.94E-16	5.94E-16	3.05E-13	2.50E-05	0	3.71E-14	0	5.94E-16	9.73E-13	0	0	2.50E-05
502	ALL	644741	4200880	NonCancer	0	2.53E-14	0	6.91E-16	6.91E-16	3.55E-13	2.88E-05	0	4.31E-14	0	6.91E-16	1.13E-12	0	0	2.88E-05
503	ALL	644841	4200880	NonCancer	0	2.99E-14	0	8.17E-16	8.17E-16	4.20E-13	3.37E-05	0	5.10E-14	0	8.17E-16	1.34E-12	0	0	3.37E-05
504	ALL	644941	4200880	NonCancer	0	3.60E-14	0	9.85E-16	9.85E-16	5.06E-13	4.01E-05	0	6.15E-14	0	9.85E-16	1.61E-12	0	0	4.01E-05
505	ALL	645041	4200880	NonCancer	0	4.45E-14	0	1.22E-15	1.22E-15	6.25E-13	4.88E-05	0	7.60E-14	0	1.22E-15	1.99E-12	0	0	4.88E-05
506	ALL	645141	4200880	NonCancer	0	5.68E-14	0	1.55E-15	1.55E-15	7.98E-13	6.08E-05	0	9.69E-14	0	1.55E-15	2.54E-12	0	0	6.08E-05
507	ALL	645241	4200880	NonCancer	0	7.56E-14	0	2.07E-15	2.07E-15	1.06E-12	7.85E-05	0	1.29E-13	0	2.07E-15	3.39E-12	0	0	7.85E-05
508	ALL	645341	4200880	NonCancer	0	1.06E-13	0	2.90E-15	2.90E-15	1.49E-12	0.000106	0	1.81E-13	0	2.90E-15	4.76E-12	0	0	0.000106
509	ALL	645441	4200880	NonCancer	0	1.59E-13	0	4.34E-15	4.34E-15	2.23E-12	0.000152	0	2.71E-13	0	4.34E-15	7.11E-12	0	0	0.000152
510	ALL	645541	4200880	NonCancer	0	2.45E-13	0	6.70E-15	6.70E-15	3.44E-12	0.000239	0	4.18E-13	0	6.70E-15	1.10E-11	0	0	0.000239
511	ALL	645641	4200880	NonCancer	0	3.93E-13	0	1.08E-14	1.08E-14	5.53E-12	0.000415	0	6.71E-13	0	1.08E-14	1.76E-11	0	0	0.000415
512	ALL	645741	4200880	NonCancer	0	8.56E-13	0	2.30E-14	2.30E-14	1.18E-11	0.000787	0	1.45E-12	0	2.30E-14	3.77E-11	0	0	0.000787
513	ALL	645841	4200880	NonCancer	0	1.68E-12	0	4.83E-14	4.83E-14	2.48E-11	0.001492	0	2.93E-12	0	4.83E-14	7.91E-11	0	0	0.001492
514	ALL	645941	4200880	NonCancer	0	1.04E-12	0	2.91E-14	2.91E-14	1.50E-11	0.001502	0	1.79E-12	0	2.91E-14	4.77E-11	0	0	0.001502
515	ALL	646041	4200880	NonCancer	0	1.95E-12	0	5.61E-14	5.61E-14	2.88E-11	0.000606	0	3.40E-12	0	5.61E-14	9.19E-11	0	0	0.000606
516	ALL	646141	4200880	NonCancer	0	1.51E-12	0	3.71E-14	3.71E-14	1.91E-11	0.000341	0	2.47E-12	0	3.71E-14	6.08E-11	0	0	0.000341
517	ALL	646241	4200880	NonCancer	0	8.19E-13	0	1.87E-14	1.87E-14	9.63E-12	0.000223	0	1.30E-12	0	1.87E-14	3.07E-11	0	0	0.000223
518	ALL	646341	4200880	NonCancer	0	3.13E-13	0	7.95E-15	7.95E-15	4.08E-12	0.000159	0	5.19E-13	0	7.95E-15	1.30E-11	0	0	0.000159
519	ALL	646441	4200880	NonCancer	0	1.78E-13	0	4.67E-15	4.67E-15	2.40E-12	0.000119	0	2.98E-13	0	4.67E-15	7.64E-12	0	0	0.000119
520	ALL	646541	4200880	NonCancer	0	1.19E-13	0	3.17E-15	3.17E-15	1.63E-12	9.32E-05	0	2.01E-13	0	3.17E-15	5.20E-12	0	0	9.32E-05
521	ALL	646641	4200880	NonCancer	0	8.75E-14	0	2.34E-15	2.34E-15	1.21E-12	7.51E-05	0	1.48E-13	0	2.34E-15	3.84E-12	0	0	7.51E-05
522	ALL	646741	4200880	NonCancer	0	6.81E-14	0	1.83E-15	1.83E-15	9.41E-13	6.21E-05	0	1.15E-13	0	1.83E-15	3.00E-12	0	0	6.21E-05
523	ALL	646841	4200880	NonCancer	0	5.50E-14	0	1.48E-15	1.48E-15	7.62E-13	5.23E-05	0	9.33E-14	0	1.48E-15	2.43E-12	0	0	5.23E-05
524	ALL	646941	4200880	NonCancer	0	4.56E-14	0	1.23E-15	1.23E-15	6.34E-13	4.48E-05	0	7.75E-14	0	1.23E-15	2.02E-12	0	0	4.48E-05
525	ALL	647041	4200880	NonCancer	0	3.87E-14	0	1.05E-15	1.05E-15	5.38E-13	3.89E-05	0	6.58E-14	0	1.05E-15	1.72E-12	0	0	3.89E-05
526	ALL	647141	4200880	NonCancer	0	3.34E-14	0	9.04E-16	9.04E-16	4.64E-13	3.41E-05	0	5.67E-14	0	9.04E-16	1.48E-12	0	0	3.41E-05

527	ALL	647241	4200880	NonCance	0	2.91E-14	0	7.90E-16	7.90E-16	4.06E-13	3.02E-05	0	4.96E-14	0	7.90E-16	1.29E-12	0	0	3.02E-05
528	ALL	647341	4200880	NonCance	0	2.57E-14	0	6.98E-16	6.98E-16	3.59E-13	2.70E-05	0	4.38E-14	0	6.98E-16	1.14E-12	0	0	2.70E-05
529	ALL	644341	4200980	NonCance	0	1.50E-14	0	4.09E-16	4.09E-16	2.10E-13	1.74E-05	0	2.55E-14	0	4.09E-16	6.70E-13	0	0	1.74E-05
530	ALL	644441	4200980	NonCance	0	1.68E-14	0	4.60E-16	4.60E-16	2.36E-13	1.95E-05	0	2.87E-14	0	4.60E-16	7.53E-13	0	0	1.95E-05
531	ALL	644541	4200980	NonCance	0	1.91E-14	0	5.21E-16	5.21E-16	2.68E-13	2.19E-05	0	3.25E-14	0	5.21E-16	8.54E-13	0	0	2.19E-05
532	ALL	644641	4200980	NonCance	0	2.18E-14	0	5.97E-16	5.97E-16	3.07E-13	2.50E-05	0	3.73E-14	0	5.97E-16	9.78E-13	0	0	2.50E-05
533	ALL	644741	4200980	NonCance	0	2.53E-14	0	6.92E-16	6.92E-16	3.56E-13	2.88E-05	0	4.32E-14	0	6.92E-16	1.13E-12	0	0	2.88E-05
534	ALL	644841	4200980	NonCance	0	2.98E-14	0	8.15E-16	8.15E-16	4.19E-13	3.35E-05	0	5.09E-14	0	8.15E-16	1.33E-12	0	0	3.35E-05
535	ALL	644941	4200980	NonCance	0	3.57E-14	0	9.75E-16	9.75E-16	5.01E-13	3.97E-05	0	6.09E-14	0	9.75E-16	1.60E-12	0	0	3.97E-05
536	ALL	645041	4200980	NonCance	0	4.36E-14	0	1.19E-15	1.19E-15	6.13E-13	4.79E-05	0	7.44E-14	0	1.19E-15	1.95E-12	0	0	4.79E-05
537	ALL	645141	4200980	NonCance	0	5.47E-14	0	1.50E-15	1.50E-15	7.69E-13	5.91E-05	0	9.34E-14	0	1.50E-15	2.45E-12	0	0	5.91E-05
538	ALL	645241	4200980	NonCance	0	7.07E-14	0	1.93E-15	1.93E-15	9.94E-13	7.49E-05	0	1.21E-13	0	1.93E-15	3.17E-12	0	0	7.49E-05
539	ALL	645341	4200980	NonCance	0	9.40E-14	0	2.57E-15	2.57E-15	1.32E-12	9.83E-05	0	1.61E-13	0	2.57E-15	4.22E-12	0	0	9.83E-05
540	ALL	645441	4200980	NonCance	0	1.27E-13	0	3.48E-15	3.48E-15	1.79E-12	0.000135	0	2.17E-13	0	3.48E-15	5.70E-12	0	0	0.000135
541	ALL	645541	4200980	NonCance	0	1.72E-13	0	4.71E-15	4.71E-15	2.42E-12	0.000191	0	2.93E-13	0	4.71E-15	7.71E-12	0	0	0.000191
542	ALL	645641	4200980	NonCance	0	2.35E-13	0	6.44E-15	6.44E-15	3.31E-12	0.000271	0	4.02E-13	0	6.44E-15	1.05E-11	0	0	0.000271
543	ALL	645741	4200980	NonCance	0	3.47E-13	0	9.45E-15	9.45E-15	4.86E-12	0.000354	0	5.92E-13	0	9.45E-15	1.55E-11	0	0	0.000354
544	ALL	645841	4200980	NonCance	0	5.91E-13	0	1.59E-14	1.59E-14	8.19E-12	0.000351	0	1.00E-12	0	1.59E-14	2.61E-11	0	0	0.000351
545	ALL	645941	4200980	NonCance	0	7.99E-13	0	2.14E-14	2.14E-14	1.10E-11	0.000241	0	1.35E-12	0	2.14E-14	3.50E-11	0	0	0.000241
546	ALL	646041	4200980	NonCance	0	5.38E-13	0	1.44E-14	1.44E-14	7.38E-12	0.000194	0	9.09E-13	0	1.44E-14	2.35E-11	0	0	0.000194
547	ALL	646141	4200980	NonCance	0	3.62E-13	0	9.43E-15	9.43E-15	4.85E-12	0.000162	0	6.06E-13	0	9.43E-15	1.55E-11	0	0	0.000162
548	ALL	646241	4200980	NonCance	0	2.40E-13	0	6.25E-15	6.25E-15	3.21E-12	0.000132	0	4.02E-13	0	6.25E-15	1.02E-11	0	0	0.000132
549	ALL	646341	4200980	NonCance	0	1.64E-13	0	4.32E-15	4.32E-15	2.22E-12	0.000107	0	2.76E-13	0	4.32E-15	7.07E-12	0	0	0.000107
550	ALL	646441	4200980	NonCance	0	1.19E-13	0	3.15E-15	3.15E-15	1.62E-12	8.81E-05	0	2.00E-13	0	3.15E-15	5.16E-12	0	0	8.81E-05
551	ALL	646541	4200980	NonCance	0	9.05E-14	0	2.41E-15	2.41E-15	1.24E-12	7.31E-05	0	1.53E-13	0	2.41E-15	3.95E-12	0	0	7.31E-05
552	ALL	646641	4200980	NonCance	0	7.15E-14	0	1.91E-15	1.91E-15	9.84E-13	6.16E-05	0	1.21E-13	0	1.91E-15	3.14E-12	0	0	6.16E-05
553	ALL	646741	4200980	NonCance	0	5.81E-14	0	1.56E-15	1.56E-15	8.03E-13	5.25E-05	0	9.85E-14	0	1.56E-15	2.56E-12	0	0	5.25E-05
554	ALL	646841	4200980	NonCance	0	4.84E-14	0	1.30E-15	1.30E-15	6.70E-13	4.53E-05	0	8.21E-14	0	1.30E-15	2.14E-12	0	0	4.53E-05
555	ALL	646941	4200980	NonCance	0	4.10E-14	0	1.11E-15	1.11E-15	5.69E-13	3.95E-05	0	6.96E-14	0	1.11E-15	1.81E-12	0	0	3.95E-05
556	ALL	647041	4200980	NonCance	0	3.53E-14	0	9.55E-16	9.55E-16	4.91E-13	3.48E-05	0	6.00E-14	0	9.55E-16	1.56E-12	0	0	3.48E-05
557	ALL	647141	4200980	NonCance	0	3.08E-14	0	8.33E-16	8.33E-16	4.28E-13	3.09E-05	0	5.23E-14	0	8.33E-16	1.37E-12	0	0	3.09E-05
558	ALL	647241	4200980	NonCance	0	2.71E-14	0	7.35E-16	7.35E-16	3.78E-13	2.77E-05	0	4.62E-14	0	7.35E-16	1.21E-12	0	0	2.77E-05
559	ALL	647341	4200980	NonCance	0	2.42E-14	0	6.55E-16	6.55E-16	3.37E-13	2.49E-05	0	4.11E-14	0	6.55E-16	1.07E-12	0	0	2.49E-05
560	ALL	644341	4201080	NonCance	0	1.49E-14	0	4.07E-16	4.07E-16	2.09E-13	1.72E-05	0	2.54E-14	0	4.07E-16	6.67E-13	0	0	1.72E-05
561	ALL	644441	4201080	NonCance	0	1.67E-14	0	4.56E-16	4.56E-16	2.35E-13	1.92E-05	0	2.85E-14	0	4.56E-16	7.48E-13	0	0	1.92E-05
562	ALL	644541	4201080	NonCance	0	1.89E-14	0	5.16E-16	5.16E-16	2.65E-13	2.16E-05	0	3.22E-14	0	5.16E-16	8.45E-13	0	0	2.16E-05
563	ALL	644641	4201080	NonCance	0	2.15E-14	0	5.88E-16	5.88E-16	3.02E-13	2.44E-05	0	3.68E-14	0	5.88E-16	9.64E-13	0	0	2.44E-05
564	ALL	644741	4201080	NonCance	0	2.48E-14	0	6.79E-16	6.79E-16	3.49E-13	2.80E-05	0	4.24E-14	0	6.79E-16	1.11E-12	0	0	2.80E-05
565	ALL	644841	4201080	NonCance	0	2.90E-14	0	7.93E-16	7.93E-16	4.07E-13	3.24E-05	0	4.95E-14	0	7.93E-16	1.30E-12	0	0	3.24E-05
566	ALL	644941	4201080	NonCance	0	3.44E-14	0	9.39E-16	9.39E-16	4.83E-13	3.80E-05	0	5.87E-14	0	9.39E-16	1.54E-12	0	0	3.80E-05
567	ALL	645041	4201080	NonCance	0	4.14E-14	0	1.13E-15	1.13E-15	5.82E-13	4.53E-05	0	7.07E-14	0	1.13E-15	1.86E-12	0	0	4.53E-05
568	ALL	645141	4201080	NonCance	0	5.08E-14	0	1.39E-15	1.39E-15	7.14E-13	5.50E-05	0	8.68E-14	0	1.39E-15	2.28E-12	0	0	5.50E-05
569	ALL	645241	4201080	NonCance	0	6.33E-14	0	1.73E-15	1.73E-15	8.91E-13	6.80E-05	0	1.08E-13	0	1.73E-15	2.84E-12	0	0	6.80E-05
570	ALL	645341	4201080	NonCance	0	7.96E-14	0	2.18E-15	2.18E-15	1.12E-12	8.60E-05	0	1.36E-13	0	2.18E-15	3.57E-12	0	0	8.60E-05
571	ALL	645441	4201080	NonCance	0	9.96E-14	0	2.73E-15	2.73E-15	1.40E-12	0.00011	0	1.70E-13	0	2.73E-15	4.47E-12	0	0	0.00011
572	ALL	645541	4201080	NonCance	0	1.23E-13	0	3.37E-15	3.37E-15	1.73E-12	0.000141	0	2.10E-13	0	3.37E-15	5.53E-12	0	0	0.000141
573	ALL	645641	4201080	NonCance	0	1.52E-13	0	4.15E-15	4.15E-15	2.13E-12	0.000168	0	2.59E-13	0	4.15E-15	6.80E-12	0	0	0.000168
574	ALL	645741	4201080	NonCance	0	1.85E-13	0	5.05E-15	5.05E-15	2.60E-12	0.00017	0	3.16E-13	0	5.05E-15	8.28E-12	0	0	0.00017
575	ALL	645841	4201080	NonCance	0	2.20E-13	0	5.98E-15	5.98E-15	3.07E-12	0.00014	0	3.75E-13	0	5.98E-15	9.80E-12	0	0	0.00014
576	ALL	645941	4201080	NonCance	0	2.21E-13	0	5.98E-15	5.98E-15	3.07E-12	0.00011	0	3.76E-13	0	5.98E-15	9.79E-12	0	0	0.00011
577	ALL	646041	4201080	NonCance	0	1.89E-13	0	5.06E-15	5.06E-15	2.60E-12	9.44E-05	0	3.20E-13	0	5.06E-15	8.30E-12	0	0	9.44E-05
578	ALL	646141	4201080	NonCance	0	1.56E-13	0	4.14E-15	4.14E-15	2.13E-12	8.46E-05	0	2.63E-13	0	4.14E-15	6.79E-12	0	0	8.46E-05
579	ALL	646241	4201080	NonCance	0	1.24E-13	0	3.30E-15	3.30E-15	1.70E-12	7.61E-05	0	2.09E-13	0	3.30E-15	5.41E-12	0	0	7.61E-05

580	ALL	646341	4201080	NonCancer	0	9.89E-14	0	2.64E-15	2.64E-15	1.36E-12	6.82E-05	0	1.67E-13	0	2.64E-15	4.32E-12	0	0	6.82E-05
581	ALL	646441	4201080	NonCancer	0	7.97E-14	0	2.13E-15	2.13E-15	1.10E-12	6.07E-05	0	1.35E-13	0	2.13E-15	3.49E-12	0	0	6.07E-05
582	ALL	646541	4201080	NonCancer	0	6.56E-14	0	1.76E-15	1.76E-15	9.05E-13	5.37E-05	0	1.11E-13	0	1.76E-15	2.88E-12	0	0	5.37E-05
583	ALL	646641	4201080	NonCancer	0	5.50E-14	0	1.48E-15	1.48E-15	7.60E-13	4.75E-05	0	9.33E-14	0	1.48E-15	2.42E-12	0	0	4.75E-05
584	ALL	646741	4201080	NonCancer	0	4.69E-14	0	1.26E-15	1.26E-15	6.48E-13	4.21E-05	0	7.95E-14	0	1.26E-15	2.07E-12	0	0	4.21E-05
585	ALL	646841	4201080	NonCancer	0	4.04E-14	0	1.09E-15	1.09E-15	5.60E-13	3.75E-05	0	6.86E-14	0	1.09E-15	1.79E-12	0	0	3.75E-05
586	ALL	646941	4201080	NonCancer	0	3.52E-14	0	9.51E-16	9.51E-16	4.89E-13	3.35E-05	0	5.98E-14	0	9.51E-16	1.56E-12	0	0	3.35E-05
587	ALL	647041	4201080	NonCancer	0	3.10E-14	0	8.38E-16	8.38E-16	4.30E-13	3.01E-05	0	5.26E-14	0	8.38E-16	1.37E-12	0	0	3.01E-05
588	ALL	647141	4201080	NonCancer	0	2.75E-14	0	7.44E-16	7.44E-16	3.82E-13	2.72E-05	0	4.67E-14	0	7.44E-16	1.22E-12	0	0	2.72E-05
589	ALL	647241	4201080	NonCancer	0	2.46E-14	0	6.65E-16	6.65E-16	3.42E-13	2.46E-05	0	4.18E-14	0	6.65E-16	1.09E-12	0	0	2.46E-05
590	ALL	647341	4201080	NonCancer	0	2.21E-14	0	5.99E-16	5.99E-16	3.08E-13	2.24E-05	0	3.76E-14	0	5.99E-16	9.81E-13	0	0	2.24E-05
591	ALL	644341	4201180	NonCancer	0	1.47E-14	0	4.01E-16	4.01E-16	2.06E-13	1.68E-05	0	2.50E-14	0	4.01E-16	6.57E-13	0	0	1.68E-05
592	ALL	644441	4201180	NonCancer	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.86E-05	0	2.80E-14	0	4.48E-16	7.33E-13	0	0	1.86E-05
593	ALL	644541	4201180	NonCancer	0	1.84E-14	0	5.04E-16	5.04E-16	2.59E-13	2.09E-05	0	3.15E-14	0	5.04E-16	8.25E-13	0	0	2.09E-05
594	ALL	644641	4201180	NonCancer	0	2.09E-14	0	5.72E-16	5.72E-16	2.94E-13	2.36E-05	0	3.57E-14	0	5.72E-16	9.37E-13	0	0	2.36E-05
595	ALL	644741	4201180	NonCancer	0	2.40E-14	0	6.55E-16	6.55E-16	3.36E-13	2.68E-05	0	4.09E-14	0	6.55E-16	1.07E-12	0	0	2.68E-05
596	ALL	644841	4201180	NonCancer	0	2.77E-14	0	7.58E-16	7.58E-16	3.90E-13	3.08E-05	0	4.73E-14	0	7.58E-16	1.24E-12	0	0	3.08E-05
597	ALL	644941	4201180	NonCancer	0	3.25E-14	0	8.88E-16	8.88E-16	4.56E-13	3.57E-05	0	5.54E-14	0	8.88E-16	1.45E-12	0	0	3.57E-05
598	ALL	645041	4201180	NonCancer	0	3.85E-14	0	1.05E-15	1.05E-15	5.41E-13	4.19E-05	0	6.57E-14	0	1.05E-15	1.72E-12	0	0	4.19E-05
599	ALL	645141	4201180	NonCancer	0	4.60E-14	0	1.26E-15	1.26E-15	6.47E-13	4.99E-05	0	7.86E-14	0	1.26E-15	2.06E-12	0	0	4.99E-05
600	ALL	645241	4201180	NonCancer	0	5.52E-14	0	1.51E-15	1.51E-15	7.77E-13	6.01E-05	0	9.43E-14	0	1.51E-15	2.48E-12	0	0	6.01E-05
601	ALL	645341	4201180	NonCancer	0	6.60E-14	0	1.81E-15	1.81E-15	9.28E-13	7.28E-05	0	1.13E-13	0	1.81E-15	2.96E-12	0	0	7.28E-05
602	ALL	645441	4201180	NonCancer	0	7.79E-14	0	2.13E-15	2.13E-15	1.10E-12	8.74E-05	0	1.33E-13	0	2.13E-15	3.49E-12	0	0	8.74E-05
603	ALL	645541	4201180	NonCancer	0	9.04E-14	0	2.47E-15	2.47E-15	1.27E-12	0.0001	0	1.54E-13	0	2.47E-15	4.05E-12	0	0	0.0001
604	ALL	645641	4201180	NonCancer	0	1.04E-13	0	2.83E-15	2.83E-15	1.45E-12	0.000105	0	1.77E-13	0	2.83E-15	4.63E-12	0	0	0.000105
605	ALL	645741	4201180	NonCancer	0	1.15E-13	0	3.15E-15	3.15E-15	1.62E-12	9.49E-05	0	1.97E-13	0	3.15E-15	5.15E-12	0	0	9.49E-05
606	ALL	645841	4201180	NonCancer	0	1.21E-13	0	3.28E-15	3.28E-15	1.68E-12	7.70E-05	0	2.05E-13	0	3.28E-15	5.37E-12	0	0	7.70E-05
607	ALL	645941	4201180	NonCancer	0	1.17E-13	0	3.15E-15	3.15E-15	1.62E-12	6.57E-05	0	1.98E-13	0	3.15E-15	5.16E-12	0	0	6.57E-05
608	ALL	646041	4201180	NonCancer	0	1.05E-13	0	2.82E-15	2.82E-15	1.45E-12	5.88E-05	0	1.78E-13	0	2.82E-15	4.63E-12	0	0	5.88E-05
609	ALL	646141	4201180	NonCancer	0	9.05E-14	0	2.43E-15	2.43E-15	1.25E-12	5.34E-05	0	1.53E-13	0	2.43E-15	3.98E-12	0	0	5.34E-05
610	ALL	646241	4201180	NonCancer	0	7.72E-14	0	2.07E-15	2.07E-15	1.06E-12	4.91E-05	0	1.31E-13	0	2.07E-15	3.39E-12	0	0	4.91E-05
611	ALL	646341	4201180	NonCancer	0	6.58E-14	0	1.77E-15	1.77E-15	9.08E-13	4.55E-05	0	1.12E-13	0	1.77E-15	2.90E-12	0	0	4.55E-05
612	ALL	646441	4201180	NonCancer	0	5.62E-14	0	1.51E-15	1.51E-15	7.77E-13	4.21E-05	0	9.53E-14	0	1.51E-15	2.48E-12	0	0	4.21E-05
613	ALL	646541	4201180	NonCancer	0	4.85E-14	0	1.31E-15	1.31E-15	6.71E-13	3.89E-05	0	8.22E-14	0	1.31E-15	2.14E-12	0	0	3.89E-05
614	ALL	646641	4201180	NonCancer	0	4.22E-14	0	1.14E-15	1.14E-15	5.85E-13	3.58E-05	0	7.17E-14	0	1.14E-15	1.87E-12	0	0	3.58E-05
615	ALL	646741	4201180	NonCancer	0	3.72E-14	0	1.00E-15	1.00E-15	5.15E-13	3.29E-05	0	6.31E-14	0	1.00E-15	1.64E-12	0	0	3.29E-05
616	ALL	646841	4201180	NonCancer	0	3.30E-14	0	8.91E-16	8.91E-16	4.58E-13	3.02E-05	0	5.60E-14	0	8.91E-16	1.46E-12	0	0	3.02E-05
617	ALL	646941	4201180	NonCancer	0	2.94E-14	0	7.96E-16	7.96E-16	4.09E-13	2.76E-05	0	5.00E-14	0	7.96E-16	1.30E-12	0	0	2.76E-05
618	ALL	647041	4201180	NonCancer	0	2.65E-14	0	7.16E-16	7.16E-16	3.68E-13	2.54E-05	0	4.50E-14	0	7.16E-16	1.17E-12	0	0	2.54E-05
619	ALL	647141	4201180	NonCancer	0	2.39E-14	0	6.47E-16	6.47E-16	3.32E-13	2.33E-05	0	4.06E-14	0	6.47E-16	1.06E-12	0	0	2.33E-05
620	ALL	647241	4201180	NonCancer	0	2.17E-14	0	5.87E-16	5.87E-16	3.02E-13	2.15E-05	0	3.69E-14	0	5.87E-16	9.63E-13	0	0	2.15E-05
621	ALL	647341	4201180	NonCancer	0	1.98E-14	0	5.36E-16	5.36E-16	2.75E-13	1.98E-05	0	3.36E-14	0	5.36E-16	8.78E-13	0	0	1.98E-05
622	ALL	644341	4201280	NonCancer	0	1.43E-14	0	3.91E-16	3.91E-16	2.01E-13	1.62E-05	0	2.44E-14	0	3.91E-16	6.41E-13	0	0	1.62E-05
623	ALL	644441	4201280	NonCancer	0	1.59E-14	0	4.35E-16	4.35E-16	2.24E-13	1.80E-05	0	2.72E-14	0	4.35E-16	7.13E-13	0	0	1.80E-05
624	ALL	644541	4201280	NonCancer	0	1.78E-14	0	4.87E-16	4.87E-16	2.50E-13	2.00E-05	0	3.04E-14	0	4.87E-16	7.99E-13	0	0	2.00E-05
625	ALL	644641	4201280	NonCancer	0	2.01E-14	0	5.50E-16	5.50E-16	2.83E-13	2.25E-05	0	3.43E-14	0	5.50E-16	9.01E-13	0	0	2.25E-05
626	ALL	644741	4201280	NonCancer	0	2.29E-14	0	6.25E-16	6.25E-16	3.21E-13	2.54E-05	0	3.90E-14	0	6.25E-16	1.02E-12	0	0	2.54E-05
627	ALL	644841	4201280	NonCancer	0	2.62E-14	0	7.17E-16	7.17E-16	3.68E-13	2.89E-05	0	4.48E-14	0	7.17E-16	1.17E-12	0	0	2.89E-05
628	ALL	644941	4201280	NonCancer	0	3.03E-14	0	8.28E-16	8.28E-16	4.26E-13	3.31E-05	0	5.17E-14	0	8.28E-16	1.36E-12	0	0	3.31E-05
629	ALL	645041	4201280	NonCancer	0	3.52E-14	0	9.62E-16	9.62E-16	4.94E-13	3.83E-05	0	6.01E-14	0	9.62E-16	1.58E-12	0	0	3.83E-05
630	ALL	645141	4201280	NonCancer	0	4.09E-14	0	1.12E-15	1.12E-15	5.75E-13	4.46E-05	0	6.99E-14	0	1.12E-15	1.83E-12	0	0	4.46E-05
631	ALL	645241	4201280	NonCancer	0	4.75E-14	0	1.30E-15	1.30E-15	6.67E-13	5.21E-05	0	8.10E-14	0	1.30E-15	2.13E-12	0	0	5.21E-05
632	ALL	645341	4201280	NonCancer	0	5.44E-14	0	1.49E-15	1.49E-15	7.65E-13	6.03E-05	0	9.29E-14	0	1.49E-15	2.44E-12	0	0	6.03E-05

633	ALL	645441	4201280	NonCancer	0	6.14E-14	0	1.68E-15	1.68E-15	8.63E-13	6.76E-05	0	1.05E-13	0	1.68E-15	2.75E-12	0	0	6.76E-05
634	ALL	645541	4201280	NonCancer	0	6.81E-14	0	1.86E-15	1.86E-15	9.57E-13	7.12E-05	0	1.16E-13	0	1.86E-15	3.05E-12	0	0	7.12E-05
635	ALL	645641	4201280	NonCancer	0	7.41E-14	0	2.02E-15	2.02E-15	1.04E-12	6.83E-05	0	1.26E-13	0	2.02E-15	3.31E-12	0	0	6.83E-05
636	ALL	645741	4201280	NonCancer	0	7.80E-14	0	2.12E-15	2.12E-15	1.09E-12	5.94E-05	0	1.33E-13	0	2.12E-15	3.48E-12	0	0	5.94E-05
637	ALL	645841	4201280	NonCancer	0	7.83E-14	0	2.12E-15	2.12E-15	1.09E-12	5.01E-05	0	1.33E-13	0	2.12E-15	3.48E-12	0	0	5.01E-05
638	ALL	645941	4201280	NonCancer	0	7.46E-14	0	2.02E-15	2.02E-15	1.04E-12	4.45E-05	0	1.27E-13	0	2.02E-15	3.30E-12	0	0	4.45E-05
639	ALL	646041	4201280	NonCancer	0	6.80E-14	0	1.83E-15	1.83E-15	9.42E-13	4.05E-05	0	1.15E-13	0	1.83E-15	3.00E-12	0	0	4.05E-05
640	ALL	646141	4201280	NonCancer	0	6.10E-14	0	1.65E-15	1.65E-15	8.46E-13	3.76E-05	0	1.04E-13	0	1.65E-15	2.70E-12	0	0	3.76E-05
641	ALL	646241	4201280	NonCancer	0	5.41E-14	0	1.46E-15	1.46E-15	7.50E-13	3.49E-05	0	9.19E-14	0	1.46E-15	2.39E-12	0	0	3.49E-05
642	ALL	646341	4201280	NonCancer	0	4.78E-14	0	1.29E-15	1.29E-15	6.62E-13	3.27E-05	0	8.11E-14	0	1.29E-15	2.11E-12	0	0	3.27E-05
643	ALL	646441	4201280	NonCancer	0	4.21E-14	0	1.14E-15	1.14E-15	5.83E-13	3.07E-05	0	7.14E-14	0	1.14E-15	1.86E-12	0	0	3.07E-05
644	ALL	646541	4201280	NonCancer	0	3.73E-14	0	1.01E-15	1.01E-15	5.17E-13	2.90E-05	0	6.33E-14	0	1.01E-15	1.65E-12	0	0	2.90E-05
645	ALL	646641	4201280	NonCancer	0	3.32E-14	0	8.97E-16	8.97E-16	4.61E-13	2.73E-05	0	5.64E-14	0	8.97E-16	1.47E-12	0	0	2.73E-05
646	ALL	646741	4201280	NonCancer	0	2.98E-14	0	8.07E-16	8.07E-16	4.14E-13	2.56E-05	0	5.07E-14	0	8.07E-16	1.32E-12	0	0	2.56E-05
647	ALL	646841	4201280	NonCancer	0	2.70E-14	0	7.29E-16	7.29E-16	3.75E-13	2.40E-05	0	4.58E-14	0	7.29E-16	1.20E-12	0	0	2.40E-05
648	ALL	646941	4201280	NonCancer	0	2.45E-14	0	6.63E-16	6.63E-16	3.41E-13	2.25E-05	0	4.17E-14	0	6.63E-16	1.09E-12	0	0	2.25E-05
649	ALL	647041	4201280	NonCancer	0	2.24E-14	0	6.06E-16	6.06E-16	3.11E-13	2.11E-05	0	3.80E-14	0	6.06E-16	9.93E-13	0	0	2.11E-05
650	ALL	647141	4201280	NonCancer	0	2.05E-14	0	5.56E-16	5.56E-16	2.86E-13	1.97E-05	0	3.49E-14	0	5.56E-16	9.11E-13	0	0	1.97E-05
651	ALL	647241	4201280	NonCancer	0	1.89E-14	0	5.12E-16	5.12E-16	2.63E-13	1.84E-05	0	3.21E-14	0	5.12E-16	8.38E-13	0	0	1.84E-05
652	ALL	647341	4201280	NonCancer	0	1.74E-14	0	4.72E-16	4.72E-16	2.43E-13	1.72E-05	0	2.96E-14	0	4.72E-16	7.74E-13	0	0	1.72E-05
653	ALL	644341	4201380	NonCancer	0	1.39E-14	0	3.80E-16	3.80E-16	1.95E-13	1.57E-05	0	2.37E-14	0	3.80E-16	6.22E-13	0	0	1.57E-05
654	ALL	644441	4201380	NonCancer	0	1.54E-14	0	4.21E-16	4.21E-16	2.16E-13	1.73E-05	0	2.63E-14	0	4.21E-16	6.89E-13	0	0	1.73E-05
655	ALL	644541	4201380	NonCancer	0	1.72E-14	0	4.69E-16	4.69E-16	2.41E-13	1.91E-05	0	2.93E-14	0	4.69E-16	7.68E-13	0	0	1.91E-05
656	ALL	644641	4201380	NonCancer	0	1.92E-14	0	5.25E-16	5.25E-16	2.70E-13	2.13E-05	0	3.28E-14	0	5.25E-16	8.61E-13	0	0	2.13E-05
657	ALL	644741	4201380	NonCancer	0	2.17E-14	0	5.92E-16	5.92E-16	3.04E-13	2.38E-05	0	3.70E-14	0	5.92E-16	9.70E-13	0	0	2.38E-05
658	ALL	644841	4201380	NonCancer	0	2.46E-14	0	6.71E-16	6.71E-16	3.45E-13	2.69E-05	0	4.19E-14	0	6.71E-16	1.10E-12	0	0	2.69E-05
659	ALL	644941	4201380	NonCancer	0	2.80E-14	0	7.64E-16	7.64E-16	3.93E-13	3.05E-05	0	4.77E-14	0	7.64E-16	1.25E-12	0	0	3.05E-05
660	ALL	645041	4201380	NonCancer	0	3.18E-14	0	8.69E-16	8.69E-16	4.47E-13	3.47E-05	0	5.43E-14	0	8.69E-16	1.42E-12	0	0	3.47E-05
661	ALL	645141	4201380	NonCancer	0	3.60E-14	0	9.86E-16	9.86E-16	5.07E-13	3.95E-05	0	6.15E-14	0	9.86E-16	1.61E-12	0	0	3.95E-05
662	ALL	645241	4201380	NonCancer	0	4.05E-14	0	1.11E-15	1.11E-15	5.69E-13	4.45E-05	0	6.92E-14	0	1.11E-15	1.82E-12	0	0	4.45E-05
663	ALL	645341	4201380	NonCancer	0	4.50E-14	0	1.23E-15	1.23E-15	6.32E-13	4.91E-05	0	7.68E-14	0	1.23E-15	2.01E-12	0	0	4.91E-05
664	ALL	645441	4201380	NonCancer	0	4.91E-14	0	1.34E-15	1.34E-15	6.89E-13	5.18E-05	0	8.38E-14	0	1.34E-15	2.20E-12	0	0	5.18E-05
665	ALL	645541	4201380	NonCancer	0	5.25E-14	0	1.43E-15	1.43E-15	7.37E-13	5.13E-05	0	8.96E-14	0	1.43E-15	2.35E-12	0	0	5.13E-05
666	ALL	645641	4201380	NonCancer	0	5.50E-14	0	1.50E-15	1.50E-15	7.70E-13	4.70E-05	0	9.37E-14	0	1.50E-15	2.45E-12	0	0	4.70E-05
667	ALL	645741	4201380	NonCancer	0	5.59E-14	0	1.52E-15	1.52E-15	7.81E-13	4.08E-05	0	9.52E-14	0	1.52E-15	2.49E-12	0	0	4.08E-05
668	ALL	645841	4201380	NonCancer	0	5.50E-14	0	1.49E-15	1.49E-15	7.66E-13	3.56E-05	0	9.36E-14	0	1.49E-15	2.44E-12	0	0	3.56E-05
669	ALL	645941	4201380	NonCancer	0	5.24E-14	0	1.42E-15	1.42E-15	7.28E-13	3.24E-05	0	8.90E-14	0	1.42E-15	2.32E-12	0	0	3.24E-05
670	ALL	646041	4201380	NonCancer	0	4.87E-14	0	1.32E-15	1.32E-15	6.77E-13	3.02E-05	0	8.27E-14	0	1.32E-15	2.16E-12	0	0	3.02E-05
671	ALL	646141	4201380	NonCancer	0	4.45E-14	0	1.20E-15	1.20E-15	6.19E-13	2.81E-05	0	7.57E-14	0	1.20E-15	1.97E-12	0	0	2.81E-05
672	ALL	646241	4201380	NonCancer	0	4.07E-14	0	1.10E-15	1.10E-15	5.65E-13	2.65E-05	0	6.91E-14	0	1.10E-15	1.80E-12	0	0	2.65E-05
673	ALL	646341	4201380	NonCancer	0	3.68E-14	0	9.93E-16	9.93E-16	5.10E-13	2.49E-05	0	6.24E-14	0	9.93E-16	1.63E-12	0	0	2.49E-05
674	ALL	646441	4201380	NonCancer	0	3.31E-14	0	8.94E-16	8.94E-16	4.59E-13	2.36E-05	0	5.62E-14	0	8.94E-16	1.46E-12	0	0	2.36E-05
675	ALL	646541	4201380	NonCancer	0	2.98E-14	0	8.06E-16	8.06E-16	4.14E-13	2.24E-05	0	5.06E-14	0	8.06E-16	1.32E-12	0	0	2.24E-05
676	ALL	646641	4201380	NonCancer	0	2.70E-14	0	7.29E-16	7.29E-16	3.75E-13	2.13E-05	0	4.58E-14	0	7.29E-16	1.20E-12	0	0	2.13E-05
677	ALL	646741	4201380	NonCancer	0	2.45E-14	0	6.64E-16	6.64E-16	3.41E-13	2.03E-05	0	4.17E-14	0	6.64E-16	1.09E-12	0	0	2.03E-05
678	ALL	646841	4201380	NonCancer	0	2.24E-14	0	6.07E-16	6.07E-16	3.12E-13	1.93E-05	0	3.81E-14	0	6.07E-16	9.95E-13	0	0	1.93E-05
679	ALL	646941	4201380	NonCancer	0	2.06E-14	0	5.59E-16	5.59E-16	2.87E-13	1.84E-05	0	3.51E-14	0	5.59E-16	9.15E-13	0	0	1.84E-05
680	ALL	647041	4201380	NonCancer	0	1.90E-14	0	5.16E-16	5.16E-16	2.65E-13	1.74E-05	0	3.24E-14	0	5.16E-16	8.45E-13	0	0	1.74E-05
681	ALL	647141	4201380	NonCancer	0	1.76E-14	0	4.78E-16	4.78E-16	2.46E-13	1.65E-05	0	3.00E-14	0	4.78E-16	7.83E-13	0	0	1.65E-05
682	ALL	647241	4201380	NonCancer	0	1.64E-14	0	4.44E-16	4.44E-16	2.28E-13	1.57E-05	0	2.79E-14	0	4.44E-16	7.28E-13	0	0	1.57E-05
683	ALL	647341	4201380	NonCancer	0	1.53E-14	0	4.14E-16	4.14E-16	2.13E-13	1.48E-05	0	2.60E-14	0	4.14E-16	6.79E-13	0	0	1.48E-05
684	ALL	644341	4201480	NonCancer	0	1.34E-14	0	3.67E-16	3.67E-16	1.89E-13	1.50E-05	0	2.29E-14	0	3.67E-16	6.01E-13	0	0	1.50E-05
685	ALL	644441	4201480	NonCancer	0	1.48E-14	0	4.05E-16	4.05E-16	2.08E-13	1.65E-05	0	2.53E-14	0	4.05E-16	6.63E-13	0	0	1.65E-05

686	ALL	644541	4201480	NonCancer	0	1.64E-14	0	4.48E-16	4.48E-16	2.30E-13	1.81E-05	0	2.80E-14	0	4.48E-16	7.35E-13	0	0	1.81E-05
687	ALL	644641	4201480	NonCancer	0	1.83E-14	0	4.99E-16	4.99E-16	2.56E-13	2.01E-05	0	3.12E-14	0	4.99E-16	8.18E-13	0	0	2.01E-05
688	ALL	644741	4201480	NonCancer	0	2.04E-14	0	5.57E-16	5.57E-16	2.86E-13	2.23E-05	0	3.48E-14	0	5.57E-16	9.13E-13	0	0	2.23E-05
689	ALL	644841	4201480	NonCancer	0	2.28E-14	0	6.24E-16	6.24E-16	3.21E-13	2.49E-05	0	3.90E-14	0	6.24E-16	1.02E-12	0	0	2.49E-05
690	ALL	644941	4201480	NonCancer	0	2.56E-14	0	6.98E-16	6.98E-16	3.59E-13	2.79E-05	0	4.36E-14	0	6.98E-16	1.14E-12	0	0	2.79E-05
691	ALL	645041	4201480	NonCancer	0	2.85E-14	0	7.79E-16	7.79E-16	4.00E-13	3.11E-05	0	4.86E-14	0	7.79E-16	1.28E-12	0	0	3.11E-05
692	ALL	645141	4201480	NonCancer	0	3.16E-14	0	8.63E-16	8.63E-16	4.43E-13	3.45E-05	0	5.39E-14	0	8.63E-16	1.41E-12	0	0	3.45E-05
693	ALL	645241	4201480	NonCancer	0	3.46E-14	0	9.46E-16	9.46E-16	4.86E-13	3.75E-05	0	5.91E-14	0	9.46E-16	1.55E-12	0	0	3.75E-05
694	ALL	645341	4201480	NonCancer	0	3.74E-14	0	1.02E-15	1.02E-15	5.25E-13	3.96E-05	0	6.38E-14	0	1.02E-15	1.67E-12	0	0	3.96E-05
695	ALL	645441	4201480	NonCancer	0	3.97E-14	0	1.08E-15	1.08E-15	5.57E-13	3.98E-05	0	6.77E-14	0	1.08E-15	1.78E-12	0	0	3.98E-05
696	ALL	645541	4201480	NonCancer	0	4.13E-14	0	1.13E-15	1.13E-15	5.79E-13	3.79E-05	0	7.05E-14	0	1.13E-15	1.85E-12	0	0	3.79E-05
697	ALL	645641	4201480	NonCancer	0	4.21E-14	0	1.15E-15	1.15E-15	5.89E-13	3.41E-05	0	7.18E-14	0	1.15E-15	1.88E-12	0	0	3.41E-05
698	ALL	645741	4201480	NonCancer	0	4.20E-14	0	1.14E-15	1.14E-15	5.87E-13	3.00E-05	0	7.16E-14	0	1.14E-15	1.87E-12	0	0	3.00E-05
699	ALL	645841	4201480	NonCancer	0	4.10E-14	0	1.11E-15	1.11E-15	5.72E-13	2.68E-05	0	6.98E-14	0	1.11E-15	1.82E-12	0	0	2.68E-05
700	ALL	645941	4201480	NonCancer	0	3.92E-14	0	1.06E-15	1.06E-15	5.46E-13	2.48E-05	0	6.67E-14	0	1.06E-15	1.74E-12	0	0	2.48E-05
701	ALL	646041	4201480	NonCancer	0	3.69E-14	0	1.00E-15	1.00E-15	5.14E-13	2.34E-05	0	6.28E-14	0	1.00E-15	1.64E-12	0	0	2.34E-05
702	ALL	646141	4201480	NonCancer	0	3.44E-14	0	9.31E-16	9.31E-16	4.78E-13	2.21E-05	0	5.84E-14	0	9.31E-16	1.53E-12	0	0	2.21E-05
703	ALL	646241	4201480	NonCancer	0	3.19E-14	0	8.64E-16	8.64E-16	4.44E-13	2.09E-05	0	5.43E-14	0	8.64E-16	1.42E-12	0	0	2.09E-05
704	ALL	646341	4201480	NonCancer	0	2.94E-14	0	7.95E-16	7.95E-16	4.09E-13	1.98E-05	0	4.99E-14	0	7.95E-16	1.30E-12	0	0	1.98E-05
705	ALL	646441	4201480	NonCancer	0	2.69E-14	0	7.28E-16	7.28E-16	3.74E-13	1.89E-05	0	4.57E-14	0	7.28E-16	1.19E-12	0	0	1.89E-05
706	ALL	646541	4201480	NonCancer	0	2.46E-14	0	6.65E-16	6.65E-16	3.42E-13	1.80E-05	0	4.18E-14	0	6.65E-16	1.09E-12	0	0	1.80E-05
707	ALL	646641	4201480	NonCancer	0	2.25E-14	0	6.09E-16	6.09E-16	3.13E-13	1.72E-05	0	3.82E-14	0	6.09E-16	9.98E-13	0	0	1.72E-05
708	ALL	646741	4201480	NonCancer	0	2.07E-14	0	5.60E-16	5.60E-16	2.88E-13	1.65E-05	0	3.51E-14	0	5.60E-16	9.17E-13	0	0	1.65E-05
709	ALL	646841	4201480	NonCancer	0	1.90E-14	0	5.16E-16	5.16E-16	2.65E-13	1.58E-05	0	3.24E-14	0	5.16E-16	8.46E-13	0	0	1.58E-05
710	ALL	646941	4201480	NonCancer	0	1.76E-14	0	4.78E-16	4.78E-16	2.46E-13	1.52E-05	0	3.00E-14	0	4.78E-16	7.83E-13	0	0	1.52E-05
711	ALL	647041	4201480	NonCancer	0	1.64E-14	0	4.45E-16	4.45E-16	2.28E-13	1.45E-05	0	2.79E-14	0	4.45E-16	7.28E-13	0	0	1.45E-05
712	ALL	647141	4201480	NonCancer	0	1.53E-14	0	4.15E-16	4.15E-16	2.13E-13	1.39E-05	0	2.60E-14	0	4.15E-16	6.80E-13	0	0	1.39E-05
713	ALL	647241	4201480	NonCancer	0	1.43E-14	0	3.88E-16	3.88E-16	2.00E-13	1.33E-05	0	2.43E-14	0	3.88E-16	6.36E-13	0	0	1.33E-05
714	ALL	647341	4201480	NonCancer	0	1.34E-14	0	3.64E-16	3.64E-16	1.87E-13	1.28E-05	0	2.28E-14	0	3.64E-16	5.97E-13	0	0	1.28E-05
715	ALL	644341	4201580	NonCancer	0	1.29E-14	0	3.53E-16	3.53E-16	1.82E-13	1.43E-05	0	2.21E-14	0	3.53E-16	5.79E-13	0	0	1.43E-05
716	ALL	644441	4201580	NonCancer	0	1.42E-14	0	3.88E-16	3.88E-16	1.99E-13	1.57E-05	0	2.42E-14	0	3.88E-16	6.36E-13	0	0	1.57E-05
717	ALL	644541	4201580	NonCancer	0	1.56E-14	0	4.27E-16	4.27E-16	2.19E-13	1.72E-05	0	2.67E-14	0	4.27E-16	7.00E-13	0	0	1.72E-05
718	ALL	644641	4201580	NonCancer	0	1.73E-14	0	4.72E-16	4.72E-16	2.42E-13	1.89E-05	0	2.95E-14	0	4.72E-16	7.73E-13	0	0	1.89E-05
719	ALL	644741	4201580	NonCancer	0	1.91E-14	0	5.21E-16	5.21E-16	2.68E-13	2.08E-05	0	3.26E-14	0	5.21E-16	8.54E-13	0	0	2.08E-05
720	ALL	644841	4201580	NonCancer	0	2.11E-14	0	5.76E-16	5.76E-16	2.96E-13	2.30E-05	0	3.60E-14	0	5.76E-16	9.43E-13	0	0	2.30E-05
721	ALL	644941	4201580	NonCancer	0	2.32E-14	0	6.34E-16	6.34E-16	3.26E-13	2.53E-05	0	3.96E-14	0	6.34E-16	1.04E-12	0	0	2.53E-05
722	ALL	645041	4201580	NonCancer	0	2.54E-14	0	6.94E-16	6.94E-16	3.57E-13	2.77E-05	0	4.34E-14	0	6.94E-16	1.14E-12	0	0	2.77E-05
723	ALL	645141	4201580	NonCancer	0	2.76E-14	0	7.54E-16	7.54E-16	3.87E-13	2.98E-05	0	4.71E-14	0	7.54E-16	1.24E-12	0	0	2.98E-05
724	ALL	645241	4201580	NonCancer	0	2.96E-14	0	8.08E-16	8.08E-16	4.15E-13	3.13E-05	0	5.05E-14	0	8.08E-16	1.32E-12	0	0	3.13E-05
725	ALL	645341	4201580	NonCancer	0	3.13E-14	0	8.53E-16	8.53E-16	4.39E-13	3.18E-05	0	5.33E-14	0	8.53E-16	1.40E-12	0	0	3.18E-05
726	ALL	645441	4201580	NonCancer	0	3.25E-14	0	8.85E-16	8.85E-16	4.55E-13	3.10E-05	0	5.54E-14	0	8.85E-16	1.45E-12	0	0	3.10E-05
727	ALL	645541	4201580	NonCancer	0	3.31E-14	0	9.02E-16	9.02E-16	4.63E-13	2.88E-05	0	5.64E-14	0	9.02E-16	1.48E-12	0	0	2.88E-05
728	ALL	645641	4201580	NonCancer	0	3.32E-14	0	9.03E-16	9.03E-16	4.64E-13	2.59E-05	0	5.66E-14	0	9.03E-16	1.48E-12	0	0	2.59E-05
729	ALL	645741	4201580	NonCancer	0	3.28E-14	0	8.90E-16	8.90E-16	4.58E-13	2.31E-05	0	5.58E-14	0	8.90E-16	1.46E-12	0	0	2.31E-05
730	ALL	645841	4201580	NonCancer	0	3.19E-14	0	8.66E-16	8.66E-16	4.45E-13	2.11E-05	0	5.43E-14	0	8.66E-16	1.42E-12	0	0	2.11E-05
731	ALL	645941	4201580	NonCancer	0	3.07E-14	0	8.32E-16	8.32E-16	4.28E-13	1.98E-05	0	5.22E-14	0	8.32E-16	1.36E-12	0	0	1.98E-05
732	ALL	646041	4201580	NonCancer	0	2.92E-14	0	7.91E-16	7.91E-16	4.06E-13	1.88E-05	0	4.96E-14	0	7.91E-16	1.30E-12	0	0	1.88E-05
733	ALL	646141	4201580	NonCancer	0	2.75E-14	0	7.46E-16	7.46E-16	3.83E-13	1.79E-05	0	4.68E-14	0	7.46E-16	1.22E-12	0	0	1.79E-05
734	ALL	646241	4201580	NonCancer	0	2.58E-14	0	7.00E-16	7.00E-16	3.60E-13	1.70E-05	0	4.39E-14	0	7.00E-16	1.15E-12	0	0	1.70E-05
735	ALL	646341	4201580	NonCancer	0	2.41E-14	0	6.54E-16	6.54E-16	3.36E-13	1.62E-05	0	4.10E-14	0	6.54E-16	1.07E-12	0	0	1.62E-05
736	ALL	646441	4201580	NonCancer	0	2.24E-14	0	6.06E-16	6.06E-16	3.12E-13	1.55E-05	0	3.81E-14	0	6.06E-16	9.94E-13	0	0	1.55E-05
737	ALL	646541	4201580	NonCancer	0	2.07E-14	0	5.61E-16	5.61E-16	2.88E-13	1.49E-05	0	3.52E-14	0	5.61E-16	9.19E-13	0	0	1.49E-05
738	ALL	646641	4201580	NonCancer	0	1.91E-14	0	5.19E-16	5.19E-16	2.67E-13	1.43E-05	0	3.26E-14	0	5.19E-16	8.50E-13	0	0	1.43E-05

739	ALL	646741	4201580	NonCance	0	1.77E-14	0	4.81E-16	4.81E-16	2.47E-13	1.37E-05	0	3.02E-14	0	4.81E-16	7.88E-13	0	0	1.37E-05
740	ALL	646841	4201580	NonCance	0	1.65E-14	0	4.47E-16	4.47E-16	2.30E-13	1.32E-05	0	2.80E-14	0	4.47E-16	7.32E-13	0	0	1.32E-05
741	ALL	646941	4201580	NonCance	0	1.53E-14	0	4.16E-16	4.16E-16	2.14E-13	1.27E-05	0	2.61E-14	0	4.16E-16	6.82E-13	0	0	1.27E-05
742	ALL	647041	4201580	NonCance	0	1.43E-14	0	3.89E-16	3.89E-16	2.00E-13	1.23E-05	0	2.44E-14	0	3.89E-16	6.37E-13	0	0	1.23E-05
743	ALL	647141	4201580	NonCance	0	1.34E-14	0	3.64E-16	3.64E-16	1.87E-13	1.18E-05	0	2.28E-14	0	3.64E-16	5.97E-13	0	0	1.18E-05
744	ALL	647241	4201580	NonCance	0	1.26E-14	0	3.43E-16	3.43E-16	1.76E-13	1.14E-05	0	2.15E-14	0	3.43E-16	5.61E-13	0	0	1.14E-05
745	ALL	647341	4201580	NonCance	0	1.19E-14	0	3.23E-16	3.23E-16	1.66E-13	1.10E-05	0	2.02E-14	0	3.23E-16	5.29E-13	0	0	1.10E-05
746	ALL	644341	4201680	NonCance	0	1.24E-14	0	3.39E-16	3.39E-16	1.74E-13	1.37E-05	0	2.12E-14	0	3.39E-16	5.56E-13	0	0	1.37E-05
747	ALL	644441	4201680	NonCance	0	1.36E-14	0	3.70E-16	3.70E-16	1.90E-13	1.49E-05	0	2.31E-14	0	3.70E-16	6.07E-13	0	0	1.49E-05
748	ALL	644541	4201680	NonCance	0	1.48E-14	0	4.05E-16	4.05E-16	2.08E-13	1.62E-05	0	2.53E-14	0	4.05E-16	6.64E-13	0	0	1.62E-05
749	ALL	644641	4201680	NonCance	0	1.62E-14	0	4.43E-16	4.43E-16	2.28E-13	1.77E-05	0	2.77E-14	0	4.43E-16	7.26E-13	0	0	1.77E-05
750	ALL	644741	4201680	NonCance	0	1.77E-14	0	4.85E-16	4.85E-16	2.49E-13	1.93E-05	0	3.03E-14	0	4.85E-16	7.94E-13	0	0	1.93E-05
751	ALL	644841	4201680	NonCance	0	1.93E-14	0	5.28E-16	5.28E-16	2.72E-13	2.11E-05	0	3.30E-14	0	5.28E-16	8.66E-13	0	0	2.11E-05
752	ALL	644941	4201680	NonCance	0	2.10E-14	0	5.73E-16	5.73E-16	2.95E-13	2.28E-05	0	3.58E-14	0	5.73E-16	9.39E-13	0	0	2.28E-05
753	ALL	645041	4201680	NonCance	0	2.26E-14	0	6.17E-16	6.17E-16	3.17E-13	2.44E-05	0	3.86E-14	0	6.17E-16	1.01E-12	0	0	2.44E-05
754	ALL	645141	4201680	NonCance	0	2.41E-14	0	6.58E-16	6.58E-16	3.38E-13	2.55E-05	0	4.11E-14	0	6.58E-16	1.08E-12	0	0	2.55E-05
755	ALL	645241	4201680	NonCance	0	2.54E-14	0	6.93E-16	6.93E-16	3.56E-13	2.60E-05	0	4.33E-14	0	6.93E-16	1.14E-12	0	0	2.60E-05
756	ALL	645341	4201680	NonCance	0	2.63E-14	0	7.18E-16	7.18E-16	3.69E-13	2.57E-05	0	4.49E-14	0	7.18E-16	1.18E-12	0	0	2.57E-05
757	ALL	645441	4201680	NonCance	0	2.69E-14	0	7.32E-16	7.32E-16	3.76E-13	2.45E-05	0	4.58E-14	0	7.32E-16	1.20E-12	0	0	2.45E-05
758	ALL	645541	4201680	NonCance	0	2.70E-14	0	7.35E-16	7.35E-16	3.78E-13	2.26E-05	0	4.60E-14	0	7.35E-16	1.20E-12	0	0	2.26E-05
759	ALL	645641	4201680	NonCance	0	2.68E-14	0	7.29E-16	7.29E-16	3.75E-13	2.04E-05	0	4.57E-14	0	7.29E-16	1.19E-12	0	0	2.04E-05
760	ALL	645741	4201680	NonCance	0	2.64E-14	0	7.16E-16	7.16E-16	3.68E-13	1.84E-05	0	4.49E-14	0	7.16E-16	1.17E-12	0	0	1.84E-05
761	ALL	645841	4201680	NonCance	0	2.57E-14	0	6.97E-16	6.97E-16	3.58E-13	1.71E-05	0	4.37E-14	0	6.97E-16	1.14E-12	0	0	1.71E-05
762	ALL	645941	4201680	NonCance	0	2.48E-14	0	6.73E-16	6.73E-16	3.46E-13	1.62E-05	0	4.22E-14	0	6.73E-16	1.10E-12	0	0	1.62E-05
763	ALL	646041	4201680	NonCance	0	2.38E-14	0	6.45E-16	6.45E-16	3.32E-13	1.55E-05	0	4.05E-14	0	6.45E-16	1.06E-12	0	0	1.55E-05
764	ALL	646141	4201680	NonCance	0	2.26E-14	0	6.14E-16	6.14E-16	3.16E-13	1.48E-05	0	3.85E-14	0	6.14E-16	1.01E-12	0	0	1.48E-05
765	ALL	646241	4201680	NonCance	0	2.15E-14	0	5.82E-16	5.82E-16	2.99E-13	1.42E-05	0	3.65E-14	0	5.82E-16	9.54E-13	0	0	1.42E-05
766	ALL	646341	4201680	NonCance	0	2.02E-14	0	5.48E-16	5.48E-16	2.82E-13	1.36E-05	0	3.44E-14	0	5.48E-16	8.98E-13	0	0	1.36E-05
767	ALL	646441	4201680	NonCance	0	1.90E-14	0	5.15E-16	5.15E-16	2.64E-13	1.30E-05	0	3.23E-14	0	5.15E-16	8.43E-13	0	0	1.30E-05
768	ALL	646541	4201680	NonCance	0	1.77E-14	0	4.81E-16	4.81E-16	2.47E-13	1.25E-05	0	3.01E-14	0	4.81E-16	7.88E-13	0	0	1.25E-05
769	ALL	646641	4201680	NonCance	0	1.65E-14	0	4.49E-16	4.49E-16	2.31E-13	1.21E-05	0	2.81E-14	0	4.49E-16	7.35E-13	0	0	1.21E-05
770	ALL	646741	4201680	NonCance	0	1.54E-14	0	4.19E-16	4.19E-16	2.15E-13	1.16E-05	0	2.63E-14	0	4.19E-16	6.87E-13	0	0	1.16E-05
771	ALL	646841	4201680	NonCance	0	1.44E-14	0	3.92E-16	3.92E-16	2.01E-13	1.12E-05	0	2.46E-14	0	3.92E-16	6.42E-13	0	0	1.12E-05
772	ALL	646941	4201680	NonCance	0	1.35E-14	0	3.67E-16	3.67E-16	1.89E-13	1.09E-05	0	2.30E-14	0	3.67E-16	6.01E-13	0	0	1.09E-05
773	ALL	647041	4201680	NonCance	0	1.27E-14	0	3.44E-16	3.44E-16	1.77E-13	1.05E-05	0	2.16E-14	0	3.44E-16	5.64E-13	0	0	1.05E-05
774	ALL	647141	4201680	NonCance	0	1.19E-14	0	3.24E-16	3.24E-16	1.67E-13	1.02E-05	0	2.03E-14	0	3.24E-16	5.31E-13	0	0	1.02E-05
775	ALL	647241	4201680	NonCance	0	1.13E-14	0	3.06E-16	3.06E-16	1.57E-13	9.87E-06	0	1.92E-14	0	3.06E-16	5.01E-13	0	0	9.87E-06
776	ALL	647341	4201680	NonCance	0	1.06E-14	0	2.89E-16	2.89E-16	1.48E-13	9.55E-06	0	1.81E-14	0	2.89E-16	4.73E-13	0	0	9.55E-06
777	ALL	644341	4201780	NonCance	0	1.19E-14	0	3.25E-16	3.25E-16	1.67E-13	1.30E-05	0	2.03E-14	0	3.25E-16	5.32E-13	0	0	1.30E-05
778	ALL	644441	4201780	NonCance	0	1.29E-14	0	3.52E-16	3.52E-16	1.81E-13	1.41E-05	0	2.20E-14	0	3.52E-16	5.78E-13	0	0	1.41E-05
779	ALL	644541	4201780	NonCance	0	1.40E-14	0	3.83E-16	3.83E-16	1.97E-13	1.53E-05	0	2.39E-14	0	3.83E-16	6.27E-13	0	0	1.53E-05
780	ALL	644641	4201780	NonCance	0	1.52E-14	0	4.15E-16	4.15E-16	2.13E-13	1.65E-05	0	2.59E-14	0	4.15E-16	6.80E-13	0	0	1.65E-05
781	ALL	644741	4201780	NonCance	0	1.64E-14	0	4.49E-16	4.49E-16	2.31E-13	1.79E-05	0	2.80E-14	0	4.49E-16	7.35E-13	0	0	1.79E-05
782	ALL	644841	4201780	NonCance	0	1.77E-14	0	4.83E-16	4.83E-16	2.48E-13	1.92E-05	0	3.02E-14	0	4.83E-16	7.91E-13	0	0	1.92E-05
783	ALL	644941	4201780	NonCance	0	1.89E-14	0	5.17E-16	5.17E-16	2.66E-13	2.04E-05	0	3.23E-14	0	5.17E-16	8.47E-13	0	0	2.04E-05
784	ALL	645041	4201780	NonCance	0	2.01E-14	0	5.48E-16	5.48E-16	2.82E-13	2.13E-05	0	3.43E-14	0	5.48E-16	8.98E-13	0	0	2.13E-05
785	ALL	645141	4201780	NonCance	0	2.11E-14	0	5.75E-16	5.75E-16	2.96E-13	2.18E-05	0	3.60E-14	0	5.75E-16	9.43E-13	0	0	2.18E-05
786	ALL	645241	4201780	NonCance	0	2.18E-14	0	5.96E-16	5.96E-16	3.06E-13	2.17E-05	0	3.72E-14	0	5.96E-16	9.76E-13	0	0	2.17E-05
787	ALL	645341	4201780	NonCance	0	2.23E-14	0	6.08E-16	6.08E-16	3.12E-13	2.10E-05	0	3.80E-14	0	6.08E-16	9.96E-13	0	0	2.10E-05
788	ALL	645441	4201780	NonCance	0	2.25E-14	0	6.12E-16	6.12E-16	3.14E-13	1.98E-05	0	3.83E-14	0	6.12E-16	1.00E-12	0	0	1.98E-05
789	ALL	645541	4201780	NonCance	0	2.24E-14	0	6.09E-16	6.09E-16	3.13E-13	1.82E-05	0	3.82E-14	0	6.09E-16	9.98E-13	0	0	1.82E-05
790	ALL	645641	4201780	NonCance	0	2.21E-14	0	6.01E-16	6.01E-16	3.09E-13	1.65E-05	0	3.77E-14	0	6.01E-16	9.85E-13	0	0	1.65E-05
791	ALL	645741	4201780	NonCance	0	2.17E-14	0	5.90E-16	5.90E-16	3.03E-13	1.51E-05	0	3.70E-14	0	5.90E-16	9.66E-13	0	0	1.51E-05

792	ALL	645841	4201780	NonCancer	0	2.12E-14	0	5.75E-16	5.75E-16	2.95E-13	1.42E-05	0	3.60E-14	0	5.75E-16	9.42E-13	0	0	1.42E-05
793	ALL	645941	4201780	NonCancer	0	2.05E-14	0	5.57E-16	5.57E-16	2.86E-13	1.35E-05	0	3.49E-14	0	5.57E-16	9.13E-13	0	0	1.35E-05
794	ALL	646041	4201780	NonCancer	0	1.98E-14	0	5.38E-16	5.38E-16	2.77E-13	1.30E-05	0	3.37E-14	0	5.38E-16	8.82E-13	0	0	1.30E-05
795	ALL	646141	4201780	NonCancer	0	1.90E-14	0	5.17E-16	5.17E-16	2.65E-13	1.25E-05	0	3.24E-14	0	5.17E-16	8.46E-13	0	0	1.25E-05
796	ALL	646241	4201780	NonCancer	0	1.82E-14	0	4.93E-16	4.93E-16	2.53E-13	1.20E-05	0	3.09E-14	0	4.93E-16	8.08E-13	0	0	1.20E-05
797	ALL	646341	4201780	NonCancer	0	1.72E-14	0	4.68E-16	4.68E-16	2.41E-13	1.16E-05	0	2.94E-14	0	4.68E-16	7.67E-13	0	0	1.16E-05
798	ALL	646441	4201780	NonCancer	0	1.63E-14	0	4.42E-16	4.42E-16	2.27E-13	1.11E-05	0	2.77E-14	0	4.42E-16	7.25E-13	0	0	1.11E-05
799	ALL	646541	4201780	NonCancer	0	1.54E-14	0	4.17E-16	4.17E-16	2.14E-13	1.07E-05	0	2.61E-14	0	4.17E-16	6.83E-13	0	0	1.07E-05
800	ALL	646641	4201780	NonCancer	0	1.44E-14	0	3.92E-16	3.92E-16	2.01E-13	1.04E-05	0	2.46E-14	0	3.92E-16	6.42E-13	0	0	1.04E-05
801	ALL	646741	4201780	NonCancer	0	1.36E-14	0	3.69E-16	3.69E-16	1.89E-13	1.00E-05	0	2.31E-14	0	3.69E-16	6.04E-13	0	0	1.00E-05
802	ALL	646841	4201780	NonCancer	0	1.28E-14	0	3.47E-16	3.47E-16	1.78E-13	9.71E-06	0	2.17E-14	0	3.47E-16	5.68E-13	0	0	9.71E-06
803	ALL	646941	4201780	NonCancer	0	1.20E-14	0	3.27E-16	3.27E-16	1.68E-13	9.41E-06	0	2.05E-14	0	3.27E-16	5.35E-13	0	0	9.41E-06
804	ALL	647041	4201780	NonCancer	0	1.13E-14	0	3.08E-16	3.08E-16	1.58E-13	9.13E-06	0	1.93E-14	0	3.08E-16	5.05E-13	0	0	9.13E-06
805	ALL	647141	4201780	NonCancer	0	1.07E-14	0	2.91E-16	2.91E-16	1.49E-13	8.86E-06	0	1.82E-14	0	2.91E-16	4.77E-13	0	0	8.86E-06
806	ALL	647241	4201780	NonCancer	0	1.01E-14	0	2.75E-16	2.75E-16	1.41E-13	8.61E-06	0	1.72E-14	0	2.75E-16	4.51E-13	0	0	8.61E-06
807	ALL	647341	4201780	NonCancer	0	9.60E-15	0	2.61E-16	2.61E-16	1.34E-13	8.37E-06	0	1.64E-14	0	2.61E-16	4.28E-13	0	0	8.37E-06
808	ALL	644341	4201880	NonCancer	0	1.14E-14	0	3.10E-16	3.10E-16	1.59E-13	1.24E-05	0	1.94E-14	0	3.10E-16	5.08E-13	0	0	1.24E-05
809	ALL	644441	4201880	NonCancer	0	1.22E-14	0	3.34E-16	3.34E-16	1.72E-13	1.33E-05	0	2.09E-14	0	3.34E-16	5.48E-13	0	0	1.33E-05
810	ALL	644541	4201880	NonCancer	0	1.32E-14	0	3.60E-16	3.60E-16	1.85E-13	1.43E-05	0	2.25E-14	0	3.60E-16	5.90E-13	0	0	1.43E-05
811	ALL	644641	4201880	NonCancer	0	1.42E-14	0	3.87E-16	3.87E-16	1.99E-13	1.54E-05	0	2.42E-14	0	3.87E-16	6.33E-13	0	0	1.54E-05
812	ALL	644741	4201880	NonCancer	0	1.51E-14	0	4.14E-16	4.14E-16	2.13E-13	1.64E-05	0	2.58E-14	0	4.14E-16	6.78E-13	0	0	1.64E-05
813	ALL	644841	4201880	NonCancer	0	1.61E-14	0	4.40E-16	4.40E-16	2.26E-13	1.73E-05	0	2.75E-14	0	4.40E-16	7.21E-13	0	0	1.73E-05
814	ALL	644941	4201880	NonCancer	0	1.70E-14	0	4.65E-16	4.65E-16	2.39E-13	1.80E-05	0	2.90E-14	0	4.65E-16	7.62E-13	0	0	1.80E-05
815	ALL	645041	4201880	NonCancer	0	1.78E-14	0	4.86E-16	4.86E-16	2.50E-13	1.85E-05	0	3.04E-14	0	4.86E-16	7.97E-13	0	0	1.85E-05
816	ALL	645141	4201880	NonCancer	0	1.85E-14	0	5.03E-16	5.03E-16	2.59E-13	1.85E-05	0	3.15E-14	0	5.03E-16	8.25E-13	0	0	1.85E-05
817	ALL	645241	4201880	NonCancer	0	1.89E-14	0	5.14E-16	5.14E-16	2.64E-13	1.82E-05	0	3.22E-14	0	5.14E-16	8.43E-13	0	0	1.82E-05
818	ALL	645341	4201880	NonCancer	0	1.91E-14	0	5.19E-16	5.19E-16	2.67E-13	1.74E-05	0	3.25E-14	0	5.19E-16	8.51E-13	0	0	1.74E-05
819	ALL	645441	4201880	NonCancer	0	1.91E-14	0	5.18E-16	5.18E-16	2.66E-13	1.63E-05	0	3.25E-14	0	5.18E-16	8.49E-13	0	0	1.63E-05
820	ALL	645541	4201880	NonCancer	0	1.89E-14	0	5.13E-16	5.13E-16	2.64E-13	1.49E-05	0	3.21E-14	0	5.13E-16	8.40E-13	0	0	1.49E-05
821	ALL	645641	4201880	NonCancer	0	1.86E-14	0	5.05E-16	5.05E-16	2.60E-13	1.37E-05	0	3.16E-14	0	5.05E-16	8.27E-13	0	0	1.37E-05
822	ALL	645741	4201880	NonCancer	0	1.82E-14	0	4.95E-16	4.95E-16	2.55E-13	1.27E-05	0	3.10E-14	0	4.95E-16	8.12E-13	0	0	1.27E-05
823	ALL	645841	4201880	NonCancer	0	1.78E-14	0	4.84E-16	4.84E-16	2.49E-13	1.20E-05	0	3.03E-14	0	4.84E-16	7.93E-13	0	0	1.20E-05
824	ALL	645941	4201880	NonCancer	0	1.74E-14	0	4.72E-16	4.72E-16	2.42E-13	1.15E-05	0	2.96E-14	0	4.72E-16	7.73E-13	0	0	1.15E-05
825	ALL	646041	4201880	NonCancer	0	1.68E-14	0	4.58E-16	4.58E-16	2.35E-13	1.11E-05	0	2.87E-14	0	4.58E-16	7.50E-13	0	0	1.11E-05
826	ALL	646141	4201880	NonCancer	0	1.63E-14	0	4.42E-16	4.42E-16	2.27E-13	1.08E-05	0	2.77E-14	0	4.42E-16	7.25E-13	0	0	1.08E-05
827	ALL	646241	4201880	NonCancer	0	1.56E-14	0	4.25E-16	4.25E-16	2.18E-13	1.04E-05	0	2.66E-14	0	4.25E-16	6.96E-13	0	0	1.04E-05
828	ALL	646341	4201880	NonCancer	0	1.49E-14	0	4.06E-16	4.06E-16	2.08E-13	1.00E-05	0	2.54E-14	0	4.06E-16	6.65E-13	0	0	1.00E-05
829	ALL	646441	4201880	NonCancer	0	1.42E-14	0	3.86E-16	3.86E-16	1.98E-13	9.68E-06	0	2.42E-14	0	3.86E-16	6.32E-13	0	0	9.68E-06
830	ALL	646541	4201880	NonCancer	0	1.35E-14	0	3.66E-16	3.66E-16	1.88E-13	9.36E-06	0	2.29E-14	0	3.66E-16	6.00E-13	0	0	9.36E-06
831	ALL	646641	4201880	NonCancer	0	1.27E-14	0	3.46E-16	3.46E-16	1.78E-13	9.04E-06	0	2.17E-14	0	3.46E-16	5.67E-13	0	0	9.04E-06
832	ALL	646741	4201880	NonCancer	0	1.21E-14	0	3.27E-16	3.27E-16	1.68E-13	8.76E-06	0	2.05E-14	0	3.27E-16	5.37E-13	0	0	8.76E-06
833	ALL	646841	4201880	NonCancer	0	1.14E-14	0	3.10E-16	3.10E-16	1.59E-13	8.50E-06	0	1.94E-14	0	3.10E-16	5.08E-13	0	0	8.50E-06
834	ALL	646941	4201880	NonCancer	0	1.08E-14	0	2.93E-16	2.93E-16	1.51E-13	8.25E-06	0	1.84E-14	0	2.93E-16	4.80E-13	0	0	8.25E-06
835	ALL	647041	4201880	NonCancer	0	1.02E-14	0	2.78E-16	2.78E-16	1.43E-13	8.02E-06	0	1.74E-14	0	2.78E-16	4.55E-13	0	0	8.02E-06
836	ALL	647141	4201880	NonCancer	0	9.69E-15	0	2.63E-16	2.63E-16	1.35E-13	7.81E-06	0	1.65E-14	0	2.63E-16	4.31E-13	0	0	7.81E-06
837	ALL	647241	4201880	NonCancer	0	9.19E-15	0	2.50E-16	2.50E-16	1.28E-13	7.60E-06	0	1.57E-14	0	2.50E-16	4.09E-13	0	0	7.60E-06
838	ALL	647341	4201880	NonCancer	0	8.74E-15	0	2.37E-16	2.37E-16	1.22E-13	7.40E-06	0	1.49E-14	0	2.37E-16	3.89E-13	0	0	7.40E-06
839	ALL	644341	4201980	NonCancer	0	1.08E-14	0	2.95E-16	2.95E-16	1.52E-13	1.18E-05	0	1.84E-14	0	2.95E-16	4.84E-13	0	0	1.18E-05
840	ALL	644441	4201980	NonCancer	0	1.16E-14	0	3.16E-16	3.16E-16	1.62E-13	1.26E-05	0	1.97E-14	0	3.16E-16	5.18E-13	0	0	1.26E-05
841	ALL	644541	4201980	NonCancer	0	1.24E-14	0	3.37E-16	3.37E-16	1.73E-13	1.34E-05	0	2.11E-14	0	3.37E-16	5.53E-13	0	0	1.34E-05
842	ALL	644641	4201980	NonCancer	0	1.31E-14	0	3.59E-16	3.59E-16	1.85E-13	1.42E-05	0	2.24E-14	0	3.59E-16	5.88E-13	0	0	1.42E-05
843	ALL	644741	4201980	NonCancer	0	1.39E-14	0	3.80E-16	3.80E-16	1.95E-13	1.49E-05	0	2.38E-14	0	3.80E-16	6.23E-13	0	0	1.49E-05
844	ALL	644841	4201980	NonCancer	0	1.47E-14	0	4.00E-16	4.00E-16	2.06E-13	1.55E-05	0	2.50E-14	0	4.00E-16	6.55E-13	0	0	1.55E-05

845	ALL	644941	4201980	NonCancer	0	1.53E-14	0	4.18E-16	4.18E-16	2.15E-13	1.59E-05	0	2.61E-14	0	4.18E-16	6.84E-13	0	0	1.59E-05
846	ALL	645041	4201980	NonCancer	0	1.58E-14	0	4.32E-16	4.32E-16	2.22E-13	1.60E-05	0	2.70E-14	0	4.32E-16	7.08E-13	0	0	1.60E-05
847	ALL	645141	4201980	NonCancer	0	1.62E-14	0	4.42E-16	4.42E-16	2.27E-13	1.59E-05	0	2.76E-14	0	4.42E-16	7.24E-13	0	0	1.59E-05
848	ALL	645241	4201980	NonCancer	0	1.64E-14	0	4.47E-16	4.47E-16	2.29E-13	1.54E-05	0	2.79E-14	0	4.47E-16	7.32E-13	0	0	1.54E-05
849	ALL	645341	4201980	NonCancer	0	1.64E-14	0	4.47E-16	4.47E-16	2.30E-13	1.46E-05	0	2.80E-14	0	4.47E-16	7.33E-13	0	0	1.46E-05
850	ALL	645441	4201980	NonCancer	0	1.63E-14	0	4.44E-16	4.44E-16	2.28E-13	1.36E-05	0	2.78E-14	0	4.44E-16	7.27E-13	0	0	1.36E-05
851	ALL	645541	4201980	NonCancer	0	1.61E-14	0	4.38E-16	4.38E-16	2.25E-13	1.25E-05	0	2.75E-14	0	4.38E-16	7.18E-13	0	0	1.25E-05
852	ALL	645641	4201980	NonCancer	0	1.59E-14	0	4.32E-16	4.32E-16	2.22E-13	1.16E-05	0	2.70E-14	0	4.32E-16	7.07E-13	0	0	1.16E-05
853	ALL	645741	4201980	NonCancer	0	1.56E-14	0	4.24E-16	4.24E-16	2.18E-13	1.08E-05	0	2.65E-14	0	4.24E-16	6.94E-13	0	0	1.08E-05
854	ALL	645841	4201980	NonCancer	0	1.53E-14	0	4.15E-16	4.15E-16	2.13E-13	1.03E-05	0	2.60E-14	0	4.15E-16	6.80E-13	0	0	1.03E-05
855	ALL	645941	4201980	NonCancer	0	1.49E-14	0	4.06E-16	4.06E-16	2.09E-13	9.95E-06	0	2.54E-14	0	4.06E-16	6.65E-13	0	0	9.95E-06
856	ALL	646041	4201980	NonCancer	0	1.45E-14	0	3.96E-16	3.96E-16	2.03E-13	9.65E-06	0	2.48E-14	0	3.96E-16	6.48E-13	0	0	9.65E-06
857	ALL	646141	4201980	NonCancer	0	1.41E-14	0	3.84E-16	3.84E-16	1.97E-13	9.36E-06	0	2.40E-14	0	3.84E-16	6.28E-13	0	0	9.36E-06
858	ALL	646241	4201980	NonCancer	0	1.36E-14	0	3.70E-16	3.70E-16	1.90E-13	9.07E-06	0	2.32E-14	0	3.70E-16	6.06E-13	0	0	9.07E-06
859	ALL	646341	4201980	NonCancer	0	1.31E-14	0	3.55E-16	3.55E-16	1.83E-13	8.78E-06	0	2.23E-14	0	3.55E-16	5.82E-13	0	0	8.78E-06
860	ALL	646441	4201980	NonCancer	0	1.25E-14	0	3.40E-16	3.40E-16	1.75E-13	8.50E-06	0	2.13E-14	0	3.40E-16	5.57E-13	0	0	8.50E-06
861	ALL	646541	4201980	NonCancer	0	1.19E-14	0	3.24E-16	3.24E-16	1.67E-13	8.23E-06	0	2.03E-14	0	3.24E-16	5.31E-13	0	0	8.23E-06
862	ALL	646641	4201980	NonCancer	0	1.14E-14	0	3.08E-16	3.08E-16	1.59E-13	7.98E-06	0	1.93E-14	0	3.08E-16	5.05E-13	0	0	7.98E-06
863	ALL	646741	4201980	NonCancer	0	1.08E-14	0	2.93E-16	2.93E-16	1.51E-13	7.75E-06	0	1.84E-14	0	2.93E-16	4.80E-13	0	0	7.75E-06
864	ALL	646841	4201980	NonCancer	0	1.03E-14	0	2.79E-16	2.79E-16	1.43E-13	7.53E-06	0	1.75E-14	0	2.79E-16	4.57E-13	0	0	7.53E-06
865	ALL	646941	4201980	NonCancer	0	9.76E-15	0	2.65E-16	2.65E-16	1.36E-13	7.32E-06	0	1.66E-14	0	2.65E-16	4.34E-13	0	0	7.32E-06
866	ALL	647041	4201980	NonCancer	0	9.28E-15	0	2.52E-16	2.52E-16	1.30E-13	7.13E-06	0	1.58E-14	0	2.52E-16	4.13E-13	0	0	7.13E-06
867	ALL	647141	4201980	NonCancer	0	8.83E-15	0	2.40E-16	2.40E-16	1.23E-13	6.95E-06	0	1.50E-14	0	2.40E-16	3.93E-13	0	0	6.95E-06
868	ALL	647241	4201980	NonCancer	0	8.40E-15	0	2.28E-16	2.28E-16	1.17E-13	6.77E-06	0	1.43E-14	0	2.28E-16	3.74E-13	0	0	6.77E-06
869	ALL	647341	4201980	NonCancer	0	8.01E-15	0	2.18E-16	2.18E-16	1.12E-13	6.60E-06	0	1.36E-14	0	2.18E-16	3.57E-13	0	0	6.60E-06
870	ALL	644341	4202080	NonCancer	0	1.03E-14	0	2.80E-16	2.80E-16	1.44E-13	1.12E-05	0	1.75E-14	0	2.80E-16	4.59E-13	0	0	1.12E-05
871	ALL	644441	4202080	NonCancer	0	1.09E-14	0	2.98E-16	2.98E-16	1.53E-13	1.18E-05	0	1.86E-14	0	2.98E-16	4.88E-13	0	0	1.18E-05
872	ALL	644541	4202080	NonCancer	0	1.15E-14	0	3.15E-16	3.15E-16	1.62E-13	1.25E-05	0	1.97E-14	0	3.15E-16	5.17E-13	0	0	1.25E-05
873	ALL	644641	4202080	NonCancer	0	1.22E-14	0	3.32E-16	3.32E-16	1.71E-13	1.31E-05	0	2.08E-14	0	3.32E-16	5.45E-13	0	0	1.31E-05
874	ALL	644741	4202080	NonCancer	0	1.28E-14	0	3.49E-16	3.49E-16	1.79E-13	1.35E-05	0	2.18E-14	0	3.49E-16	5.71E-13	0	0	1.35E-05
875	ALL	644841	4202080	NonCancer	0	1.33E-14	0	3.63E-16	3.63E-16	1.87E-13	1.39E-05	0	2.27E-14	0	3.63E-16	5.95E-13	0	0	1.39E-05
876	ALL	644941	4202080	NonCancer	0	1.38E-14	0	3.75E-16	3.75E-16	1.93E-13	1.40E-05	0	2.35E-14	0	3.75E-16	6.15E-13	0	0	1.40E-05
877	ALL	645041	4202080	NonCancer	0	1.41E-14	0	3.84E-16	3.84E-16	1.97E-13	1.39E-05	0	2.40E-14	0	3.84E-16	6.29E-13	0	0	1.39E-05
878	ALL	645141	4202080	NonCancer	0	1.43E-14	0	3.89E-16	3.89E-16	2.00E-13	1.36E-05	0	2.43E-14	0	3.89E-16	6.37E-13	0	0	1.36E-05
879	ALL	645241	4202080	NonCancer	0	1.43E-14	0	3.91E-16	3.91E-16	2.01E-13	1.31E-05	0	2.44E-14	0	3.91E-16	6.40E-13	0	0	1.31E-05
880	ALL	645341	4202080	NonCancer	0	1.43E-14	0	3.89E-16	3.89E-16	2.00E-13	1.24E-05	0	2.43E-14	0	3.89E-16	6.37E-13	0	0	1.24E-05
881	ALL	645441	4202080	NonCancer	0	1.42E-14	0	3.85E-16	3.85E-16	1.98E-13	1.16E-05	0	2.41E-14	0	3.85E-16	6.31E-13	0	0	1.16E-05
882	ALL	645541	4202080	NonCancer	0	1.40E-14	0	3.80E-16	3.80E-16	1.95E-13	1.07E-05	0	2.38E-14	0	3.80E-16	6.22E-13	0	0	1.07E-05
883	ALL	645641	4202080	NonCancer	0	1.37E-14	0	3.74E-16	3.74E-16	1.92E-13	9.95E-06	0	2.34E-14	0	3.74E-16	6.12E-13	0	0	9.95E-06
884	ALL	645741	4202080	NonCancer	0	1.35E-14	0	3.67E-16	3.67E-16	1.89E-13	9.39E-06	0	2.30E-14	0	3.67E-16	6.02E-13	0	0	9.39E-06
885	ALL	645841	4202080	NonCancer	0	1.33E-14	0	3.61E-16	3.61E-16	1.85E-13	8.99E-06	0	2.26E-14	0	3.61E-16	5.91E-13	0	0	8.99E-06
886	ALL	645941	4202080	NonCancer	0	1.30E-14	0	3.54E-16	3.54E-16	1.82E-13	8.70E-06	0	2.21E-14	0	3.54E-16	5.79E-13	0	0	8.70E-06
887	ALL	646041	4202080	NonCancer	0	1.27E-14	0	3.46E-16	3.46E-16	1.78E-13	8.46E-06	0	2.16E-14	0	3.46E-16	5.66E-13	0	0	8.46E-06
888	ALL	646141	4202080	NonCancer	0	1.24E-14	0	3.36E-16	3.36E-16	1.73E-13	8.23E-06	0	2.11E-14	0	3.36E-16	5.51E-13	0	0	8.23E-06
889	ALL	646241	4202080	NonCancer	0	1.20E-14	0	3.26E-16	3.26E-16	1.68E-13	8.00E-06	0	2.04E-14	0	3.26E-16	5.34E-13	0	0	8.00E-06
890	ALL	646341	4202080	NonCancer	0	1.16E-14	0	3.14E-16	3.14E-16	1.62E-13	7.76E-06	0	1.97E-14	0	3.14E-16	5.15E-13	0	0	7.76E-06
891	ALL	646441	4202080	NonCancer	0	1.11E-14	0	3.02E-16	3.02E-16	1.55E-13	7.53E-06	0	1.89E-14	0	3.02E-16	4.95E-13	0	0	7.53E-06
892	ALL	646541	4202080	NonCancer	0	1.06E-14	0	2.89E-16	2.89E-16	1.49E-13	7.31E-06	0	1.81E-14	0	2.89E-16	4.74E-13	0	0	7.31E-06
893	ALL	646641	4202080	NonCancer	0	1.02E-14	0	2.77E-16	2.77E-16	1.42E-13	7.10E-06	0	1.73E-14	0	2.77E-16	4.53E-13	0	0	7.10E-06
894	ALL	646741	4202080	NonCancer	0	9.72E-15	0	2.64E-16	2.64E-16	1.36E-13	6.91E-06	0	1.65E-14	0	2.64E-16	4.33E-13	0	0	6.91E-06
895	ALL	646841	4202080	NonCancer	0	9.28E-15	0	2.52E-16	2.52E-16	1.30E-13	6.72E-06	0	1.58E-14	0	2.52E-16	4.13E-13	0	0	6.72E-06
896	ALL	646941	4202080	NonCancer	0	8.86E-15	0	2.41E-16	2.41E-16	1.24E-13	6.55E-06	0	1.51E-14	0	2.41E-16	3.95E-13	0	0	6.55E-06
897	ALL	647041	4202080	NonCancer	0	8.46E-15	0	2.30E-16	2.30E-16	1.18E-13	6.38E-06	0	1.44E-14	0	2.30E-16	3.77E-13	0	0	6.38E-06

898	ALL	647141	4202080	NonCance	0	8.08E-15	0	2.20E-16	2.20E-16	1.13E-13	6.23E-06	0	1.38E-14	0	2.20E-16	3.60E-13	0	0	6.23E-06
899	ALL	647241	4202080	NonCance	0	7.72E-15	0	2.10E-16	2.10E-16	1.08E-13	6.08E-06	0	1.31E-14	0	2.10E-16	3.44E-13	0	0	6.08E-06
900	ALL	647341	4202080	NonCance	0	7.38E-15	0	2.01E-16	2.01E-16	1.03E-13	5.94E-06	0	1.26E-14	0	2.01E-16	3.29E-13	0	0	5.94E-06
901	ALL	644341	4202180	NonCance	0	9.71E-15	0	2.65E-16	2.65E-16	1.36E-13	1.05E-05	0	1.66E-14	0	2.65E-16	4.34E-13	0	0	1.05E-05
902	ALL	644441	4202180	NonCance	0	1.02E-14	0	2.80E-16	2.80E-16	1.44E-13	1.11E-05	0	1.75E-14	0	2.80E-16	4.58E-13	0	0	1.11E-05
903	ALL	644541	4202180	NonCance	0	1.08E-14	0	2.94E-16	2.94E-16	1.51E-13	1.15E-05	0	1.84E-14	0	2.94E-16	4.81E-13	0	0	1.15E-05
904	ALL	644641	4202180	NonCance	0	1.12E-14	0	3.07E-16	3.07E-16	1.58E-13	1.19E-05	0	1.92E-14	0	3.07E-16	5.03E-13	0	0	1.19E-05
905	ALL	644741	4202180	NonCance	0	1.17E-14	0	3.19E-16	3.19E-16	1.64E-13	1.22E-05	0	1.99E-14	0	3.19E-16	5.22E-13	0	0	1.22E-05
906	ALL	644841	4202180	NonCance	0	1.21E-14	0	3.29E-16	3.29E-16	1.69E-13	1.24E-05	0	2.06E-14	0	3.29E-16	5.39E-13	0	0	1.24E-05
907	ALL	644941	4202180	NonCance	0	1.24E-14	0	3.37E-16	3.37E-16	1.73E-13	1.23E-05	0	2.11E-14	0	3.37E-16	5.52E-13	0	0	1.23E-05
908	ALL	645041	4202180	NonCance	0	1.26E-14	0	3.42E-16	3.42E-16	1.76E-13	1.22E-05	0	2.14E-14	0	3.42E-16	5.61E-13	0	0	1.22E-05
909	ALL	645141	4202180	NonCance	0	1.26E-14	0	3.45E-16	3.45E-16	1.77E-13	1.18E-05	0	2.16E-14	0	3.45E-16	5.65E-13	0	0	1.18E-05
910	ALL	645241	4202180	NonCance	0	1.26E-14	0	3.44E-16	3.44E-16	1.77E-13	1.13E-05	0	2.15E-14	0	3.44E-16	5.64E-13	0	0	1.13E-05
911	ALL	645341	4202180	NonCance	0	1.25E-14	0	3.42E-16	3.42E-16	1.76E-13	1.06E-05	0	2.14E-14	0	3.42E-16	5.60E-13	0	0	1.06E-05
912	ALL	645441	4202180	NonCance	0	1.24E-14	0	3.37E-16	3.37E-16	1.73E-13	9.93E-06	0	2.11E-14	0	3.37E-16	5.53E-13	0	0	9.93E-06
913	ALL	645541	4202180	NonCance	0	1.22E-14	0	3.32E-16	3.32E-16	1.71E-13	9.24E-06	0	2.08E-14	0	3.32E-16	5.44E-13	0	0	9.24E-06
914	ALL	645641	4202180	NonCance	0	1.20E-14	0	3.27E-16	3.27E-16	1.68E-13	8.66E-06	0	2.05E-14	0	3.27E-16	5.36E-13	0	0	8.66E-06
915	ALL	645741	4202180	NonCance	0	1.18E-14	0	3.22E-16	3.22E-16	1.65E-13	8.23E-06	0	2.02E-14	0	3.22E-16	5.27E-13	0	0	8.23E-06
916	ALL	645841	4202180	NonCance	0	1.16E-14	0	3.17E-16	3.17E-16	1.63E-13	7.91E-06	0	1.98E-14	0	3.17E-16	5.19E-13	0	0	7.91E-06
917	ALL	645941	4202180	NonCance	0	1.14E-14	0	3.11E-16	3.11E-16	1.60E-13	7.68E-06	0	1.95E-14	0	3.11E-16	5.10E-13	0	0	7.68E-06
918	ALL	646041	4202180	NonCance	0	1.12E-14	0	3.05E-16	3.05E-16	1.57E-13	7.49E-06	0	1.91E-14	0	3.05E-16	5.00E-13	0	0	7.49E-06
919	ALL	646141	4202180	NonCance	0	1.10E-14	0	2.98E-16	2.98E-16	1.53E-13	7.30E-06	0	1.87E-14	0	2.98E-16	4.88E-13	0	0	7.30E-06
920	ALL	646241	4202180	NonCance	0	1.07E-14	0	2.90E-16	2.90E-16	1.49E-13	7.12E-06	0	1.81E-14	0	2.90E-16	4.75E-13	0	0	7.12E-06
921	ALL	646341	4202180	NonCance	0	1.03E-14	0	2.80E-16	2.80E-16	1.44E-13	6.93E-06	0	1.76E-14	0	2.80E-16	4.59E-13	0	0	6.93E-06
922	ALL	646441	4202180	NonCance	0	9.94E-15	0	2.70E-16	2.70E-16	1.39E-13	6.74E-06	0	1.69E-14	0	2.70E-16	4.43E-13	0	0	6.74E-06
923	ALL	646541	4202180	NonCance	0	9.56E-15	0	2.60E-16	2.60E-16	1.34E-13	6.55E-06	0	1.63E-14	0	2.60E-16	4.26E-13	0	0	6.55E-06
924	ALL	646641	4202180	NonCance	0	9.18E-15	0	2.50E-16	2.50E-16	1.28E-13	6.37E-06	0	1.56E-14	0	2.50E-16	4.09E-13	0	0	6.37E-06
925	ALL	646741	4202180	NonCance	0	8.80E-15	0	2.39E-16	2.39E-16	1.23E-13	6.21E-06	0	1.50E-14	0	2.39E-16	3.92E-13	0	0	6.21E-06
926	ALL	646841	4202180	NonCance	0	8.43E-15	0	2.29E-16	2.29E-16	1.18E-13	6.05E-06	0	1.44E-14	0	2.29E-16	3.76E-13	0	0	6.05E-06
927	ALL	646941	4202180	NonCance	0	8.08E-15	0	2.20E-16	2.20E-16	1.13E-13	5.90E-06	0	1.38E-14	0	2.20E-16	3.60E-13	0	0	5.90E-06
928	ALL	647041	4202180	NonCance	0	7.74E-15	0	2.11E-16	2.11E-16	1.08E-13	5.76E-06	0	1.32E-14	0	2.11E-16	3.45E-13	0	0	5.76E-06
929	ALL	647141	4202180	NonCance	0	7.42E-15	0	2.02E-16	2.02E-16	1.04E-13	5.63E-06	0	1.26E-14	0	2.02E-16	3.31E-13	0	0	5.63E-06
930	ALL	647241	4202180	NonCance	0	7.11E-15	0	1.93E-16	1.93E-16	9.94E-14	5.50E-06	0	1.21E-14	0	1.93E-16	3.17E-13	0	0	5.50E-06
931	ALL	647341	4202180	NonCance	0	6.82E-15	0	1.85E-16	1.85E-16	9.53E-14	5.38E-06	0	1.16E-14	0	1.85E-16	3.04E-13	0	0	5.38E-06
932	ALL	644341	4202280	NonCance	0	9.16E-15	0	2.50E-16	2.50E-16	1.28E-13	9.88E-06	0	1.56E-14	0	2.50E-16	4.10E-13	0	0	9.88E-06
933	ALL	644441	4202280	NonCance	0	9.58E-15	0	2.62E-16	2.62E-16	1.34E-13	1.03E-05	0	1.63E-14	0	2.62E-16	4.29E-13	0	0	1.03E-05
934	ALL	644541	4202280	NonCance	0	9.99E-15	0	2.73E-16	2.73E-16	1.40E-13	1.06E-05	0	1.70E-14	0	2.73E-16	4.47E-13	0	0	1.06E-05
935	ALL	644641	4202280	NonCance	0	1.04E-14	0	2.83E-16	2.83E-16	1.45E-13	1.09E-05	0	1.77E-14	0	2.83E-16	4.63E-13	0	0	1.09E-05
936	ALL	644741	4202280	NonCance	0	1.07E-14	0	2.92E-16	2.92E-16	1.50E-13	1.10E-05	0	1.82E-14	0	2.92E-16	4.78E-13	0	0	1.10E-05
937	ALL	644841	4202280	NonCance	0	1.10E-14	0	2.99E-16	2.99E-16	1.54E-13	1.10E-05	0	1.87E-14	0	2.99E-16	4.89E-13	0	0	1.10E-05
938	ALL	644941	4202280	NonCance	0	1.11E-14	0	3.04E-16	3.04E-16	1.56E-13	1.09E-05	0	1.90E-14	0	3.04E-16	4.98E-13	0	0	1.09E-05
939	ALL	645041	4202280	NonCance	0	1.12E-14	0	3.06E-16	3.06E-16	1.57E-13	1.07E-05	0	1.92E-14	0	3.06E-16	5.02E-13	0	0	1.07E-05
940	ALL	645141	4202280	NonCance	0	1.13E-14	0	3.07E-16	3.07E-16	1.58E-13	1.03E-05	0	1.92E-14	0	3.07E-16	5.03E-13	0	0	1.03E-05
941	ALL	645241	4202280	NonCance	0	1.12E-14	0	3.05E-16	3.05E-16	1.57E-13	9.80E-06	0	1.91E-14	0	3.05E-16	5.00E-13	0	0	9.80E-06
942	ALL	645341	4202280	NonCance	0	1.11E-14	0	3.02E-16	3.02E-16	1.55E-13	9.23E-06	0	1.89E-14	0	3.02E-16	4.95E-13	0	0	9.23E-06
943	ALL	645441	4202280	NonCance	0	1.09E-14	0	2.98E-16	2.98E-16	1.53E-13	8.63E-06	0	1.86E-14	0	2.98E-16	4.88E-13	0	0	8.63E-06
944	ALL	645541	4202280	NonCance	0	1.08E-14	0	2.93E-16	2.93E-16	1.51E-13	8.08E-06	0	1.84E-14	0	2.93E-16	4.81E-13	0	0	8.08E-06
945	ALL	645641	4202280	NonCance	0	1.06E-14	0	2.89E-16	2.89E-16	1.49E-13	7.62E-06	0	1.81E-14	0	2.89E-16	4.74E-13	0	0	7.62E-06
946	ALL	645741	4202280	NonCance	0	1.05E-14	0	2.85E-16	2.85E-16	1.46E-13	7.28E-06	0	1.78E-14	0	2.85E-16	4.67E-13	0	0	7.28E-06
947	ALL	645841	4202280	NonCance	0	1.03E-14	0	2.81E-16	2.81E-16	1.44E-13	7.03E-06	0	1.76E-14	0	2.81E-16	4.60E-13	0	0	7.03E-06
948	ALL	645941	4202280	NonCance	0	1.02E-14	0	2.77E-16	2.77E-16	1.42E-13	6.84E-06	0	1.73E-14	0	2.77E-16	4.53E-13	0	0	6.84E-06
949	ALL	646041	4202280	NonCance	0	9.99E-15	0	2.72E-16	2.72E-16	1.40E-13	6.68E-06	0	1.70E-14	0	2.72E-16	4.46E-13	0	0	6.68E-06
950	ALL	646141	4202280	NonCance	0	9.79E-15	0	2.66E-16	2.66E-16	1.37E-13	6.53E-06	0	1.67E-14	0	2.66E-16	4.36E-13	0	0	6.53E-06

951	ALL	646241	4202280	NonCance	0	9.55E-15	0	2.60E-16	2.60E-16	1.33E-13	6.38E-06	0	1.63E-14	0	2.60E-16	4.25E-13	0	0	6.38E-06
952	ALL	646341	4202280	NonCance	0	9.27E-15	0	2.52E-16	2.52E-16	1.30E-13	6.22E-06	0	1.58E-14	0	2.52E-16	4.13E-13	0	0	6.22E-06
953	ALL	646441	4202280	NonCance	0	8.96E-15	0	2.44E-16	2.44E-16	1.25E-13	6.07E-06	0	1.53E-14	0	2.44E-16	3.99E-13	0	0	6.07E-06
954	ALL	646541	4202280	NonCance	0	8.65E-15	0	2.35E-16	2.35E-16	1.21E-13	5.91E-06	0	1.47E-14	0	2.35E-16	3.85E-13	0	0	5.91E-06
955	ALL	646641	4202280	NonCance	0	8.33E-15	0	2.27E-16	2.27E-16	1.16E-13	5.76E-06	0	1.42E-14	0	2.27E-16	3.71E-13	0	0	5.76E-06
956	ALL	646741	4202280	NonCance	0	8.01E-15	0	2.18E-16	2.18E-16	1.12E-13	5.62E-06	0	1.37E-14	0	2.18E-16	3.57E-13	0	0	5.62E-06
957	ALL	646841	4202280	NonCance	0	7.71E-15	0	2.10E-16	2.10E-16	1.08E-13	5.48E-06	0	1.31E-14	0	2.10E-16	3.43E-13	0	0	5.48E-06
958	ALL	646941	4202280	NonCance	0	7.41E-15	0	2.01E-16	2.01E-16	1.04E-13	5.35E-06	0	1.26E-14	0	2.01E-16	3.30E-13	0	0	5.35E-06
959	ALL	647041	4202280	NonCance	0	7.12E-15	0	1.94E-16	1.94E-16	9.95E-14	5.23E-06	0	1.21E-14	0	1.94E-16	3.17E-13	0	0	5.23E-06
960	ALL	647141	4202280	NonCance	0	6.84E-15	0	1.86E-16	1.86E-16	9.56E-14	5.11E-06	0	1.17E-14	0	1.86E-16	3.05E-13	0	0	5.11E-06
961	ALL	647241	4202280	NonCance	0	6.57E-15	0	1.79E-16	1.79E-16	9.19E-14	5.00E-06	0	1.12E-14	0	1.79E-16	2.93E-13	0	0	5.00E-06
962	ALL	647341	4202280	NonCance	0	6.32E-15	0	1.72E-16	1.72E-16	8.84E-14	4.90E-06	0	1.08E-14	0	1.72E-16	2.82E-13	0	0	4.90E-06
963	ALL	645946	4200732	NonCance	0	5.63E-13	0	1.57E-14	1.57E-14	8.07E-12	0.003332	0	9.69E-13	0	1.57E-14	2.57E-11	0	0	0.003332
964	ALL	645933.7	4200897	NonCance	0	1.26E-12	0	3.57E-14	3.57E-14	1.83E-11	0.000982	0	2.18E-12	0	3.57E-14	5.84E-11	0	0	0.000982
965	ALL	645889.9	4200890	NonCance	0	1.30E-12	0	3.67E-14	3.67E-14	1.89E-11	0.001372	0	2.24E-12	0	3.67E-14	6.01E-11	0	0	0.001372
966	ALL	645847.2	4200866	NonCance	0	1.36E-12	0	3.90E-14	3.90E-14	2.00E-11	0.001812	0	2.37E-12	0	3.90E-14	6.39E-11	0	0	0.001812
967	ALL	645698	4200718	NonCance	0	1.82E-12	0	5.26E-14	5.26E-14	2.70E-11	0.000857	0	3.18E-12	0	5.26E-14	8.62E-11	0	0	0.000857

HARP2 - HRACalc (dated 22118) 12/6/2022 3:59:20 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA STOCKTON\hra\ConstructionOffSiteWorkerCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH CONSTRUCTION HRA STOCKTON\hra\ConstructionOffSiteWorkerCancerRiskSumByRec.csv
HRA ran successfully

**HARP - Air Dispersion Modeling and Risk Tool v22118
**12/6/2022
**Exported Risk Results

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INHAL_RIS	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		648148	4201091	3.72E-09	25YrCance	3.72E-09	0	0	0	0	0	0	0	0	0	0	0
2	ALL		646506.5	4202112	2.21E-09	25YrCance	2.21E-09	0	0	0	0	0	0	0	0	0	0	0
3	ALL		645939.2	4200707	7.96E-07	25YrCance	7.96E-07	0	0	0	0	0	0	0	0	0	0	0
4	ALL		644341	4199280	1.86E-09	25YrCance	1.86E-09	0	0	0	0	0	0	0	0	0	0	0
5	ALL		644441	4199280	1.96E-09	25YrCance	1.96E-09	0	0	0	0	0	0	0	0	0	0	0
6	ALL		644541	4199280	2.09E-09	25YrCance	2.09E-09	0	0	0	0	0	0	0	0	0	0	0
7	ALL		644641	4199280	2.24E-09	25YrCance	2.24E-09	0	0	0	0	0	0	0	0	0	0	0
8	ALL		644741	4199280	2.42E-09	25YrCance	2.42E-09	0	0	0	0	0	0	0	0	0	0	0
9	ALL		644841	4199280	2.63E-09	25YrCance	2.63E-09	0	0	0	0	0	0	0	0	0	0	0
10	ALL		644941	4199280	2.87E-09	25YrCance	2.87E-09	0	0	0	0	0	0	0	0	0	0	0
11	ALL		645041	4199280	3.14E-09	25YrCance	3.14E-09	0	0	0	0	0	0	0	0	0	0	0
12	ALL		645141	4199280	3.43E-09	25YrCance	3.43E-09	0	0	0	0	0	0	0	0	0	0	0
13	ALL		645241	4199280	3.71E-09	25YrCance	3.71E-09	0	0	0	0	0	0	0	0	0	0	0
14	ALL		645341	4199280	3.96E-09	25YrCance	3.96E-09	0	0	0	0	0	0	0	0	0	0	0
15	ALL		645441	4199280	4.15E-09	25YrCance	4.15E-09	0	0	0	0	0	0	0	0	0	0	0
16	ALL		645541	4199280	4.27E-09	25YrCance	4.27E-09	0	0	0	0	0	0	0	0	0	0	0
17	ALL		645641	4199280	4.33E-09	25YrCance	4.33E-09	0	0	0	0	0	0	0	0	0	0	0
18	ALL		645741	4199280	4.38E-09	25YrCance	4.38E-09	0	0	0	0	0	0	0	0	0	0	0
19	ALL		645841	4199280	4.45E-09	25YrCance	4.45E-09	0	0	0	0	0	0	0	0	0	0	0
20	ALL		645941	4199280	4.58E-09	25YrCance	4.58E-09	0	0	0	0	0	0	0	0	0	0	0
21	ALL		646041	4199280	4.79E-09	25YrCance	4.79E-09	0	0	0	0	0	0	0	0	0	0	0
22	ALL		646141	4199280	5.03E-09	25YrCance	5.03E-09	0	0	0	0	0	0	0	0	0	0	0
23	ALL		646241	4199280	5.27E-09	25YrCance	5.27E-09	0	0	0	0	0	0	0	0	0	0	0
24	ALL		646341	4199280	5.46E-09	25YrCance	5.46E-09	0	0	0	0	0	0	0	0	0	0	0
25	ALL		646441	4199280	5.58E-09	25YrCance	5.58E-09	0	0	0	0	0	0	0	0	0	0	0
26	ALL		646541	4199280	5.62E-09	25YrCance	5.62E-09	0	0	0	0	0	0	0	0	0	0	0
27	ALL		646641	4199280	5.61E-09	25YrCance	5.61E-09	0	0	0	0	0	0	0	0	0	0	0
28	ALL		646741	4199280	5.55E-09	25YrCance	5.55E-09	0	0	0	0	0	0	0	0	0	0	0
29	ALL		646841	4199280	5.47E-09	25YrCance	5.47E-09	0	0	0	0	0	0	0	0	0	0	0
30	ALL		646941	4199280	5.37E-09	25YrCance	5.37E-09	0	0	0	0	0	0	0	0	0	0	0
31	ALL		647041	4199280	5.27E-09	25YrCance	5.27E-09	0	0	0	0	0	0	0	0	0	0	0
32	ALL		647141	4199280	5.16E-09	25YrCance	5.16E-09	0	0	0	0	0	0	0	0	0	0	0
33	ALL		647241	4199280	5.04E-09	25YrCance	5.04E-09	0	0	0	0	0	0	0	0	0	0	0
34	ALL		647341	4199280	4.91E-09	25YrCance	4.91E-09	0	0	0	0	0	0	0	0	0	0	0
35	ALL		644341	4199380	1.97E-09	25YrCance	1.97E-09	0	0	0	0	0	0	0	0	0	0	0
36	ALL		644441	4199380	2.08E-09	25YrCance	2.08E-09	0	0	0	0	0	0	0	0	0	0	0
37	ALL		644541	4199380	2.21E-09	25YrCance	2.21E-09	0	0	0	0	0	0	0	0	0	0	0
38	ALL		644641	4199380	2.37E-09	25YrCance	2.37E-09	0	0	0	0	0	0	0	0	0	0	0
39	ALL		644741	4199380	2.55E-09	25YrCance	2.55E-09	0	0	0	0	0	0	0	0	0	0	0
40	ALL		644841	4199380	2.78E-09	25YrCance	2.78E-09	0	0	0	0	0	0	0	0	0	0	0
41	ALL		644941	4199380	3.04E-09	25YrCance	3.04E-09	0	0	0	0	0	0	0	0	0	0	0
42	ALL		645041	4199380	3.35E-09	25YrCance	3.35E-09	0	0	0	0	0	0	0	0	0	0	0
43	ALL		645141	4199380	3.68E-09	25YrCance	3.68E-09	0	0	0	0	0	0	0	0	0	0	0
44	ALL		645241	4199380	4.02E-09	25YrCance	4.02E-09	0	0	0	0	0	0	0	0	0	0	0

45	ALL	645341	4199380	4.33E-09	25YrCance	4.33E-09	0	0	0	0	0	0	0	0	0	0	0
46	ALL	645441	4199380	4.59E-09	25YrCance	4.59E-09	0	0	0	0	0	0	0	0	0	0	0
47	ALL	645541	4199380	4.76E-09	25YrCance	4.76E-09	0	0	0	0	0	0	0	0	0	0	0
48	ALL	645641	4199380	4.85E-09	25YrCance	4.85E-09	0	0	0	0	0	0	0	0	0	0	0
49	ALL	645741	4199380	4.91E-09	25YrCance	4.91E-09	0	0	0	0	0	0	0	0	0	0	0
50	ALL	645841	4199380	5.00E-09	25YrCance	5.00E-09	0	0	0	0	0	0	0	0	0	0	0
51	ALL	645941	4199380	5.16E-09	25YrCance	5.16E-09	0	0	0	0	0	0	0	0	0	0	0
52	ALL	646041	4199380	5.41E-09	25YrCance	5.41E-09	0	0	0	0	0	0	0	0	0	0	0
53	ALL	646141	4199380	5.71E-09	25YrCance	5.71E-09	0	0	0	0	0	0	0	0	0	0	0
54	ALL	646241	4199380	5.97E-09	25YrCance	5.97E-09	0	0	0	0	0	0	0	0	0	0	0
55	ALL	646341	4199380	6.18E-09	25YrCance	6.18E-09	0	0	0	0	0	0	0	0	0	0	0
56	ALL	646441	4199380	6.29E-09	25YrCance	6.29E-09	0	0	0	0	0	0	0	0	0	0	0
57	ALL	646541	4199380	6.31E-09	25YrCance	6.31E-09	0	0	0	0	0	0	0	0	0	0	0
58	ALL	646641	4199380	6.27E-09	25YrCance	6.27E-09	0	0	0	0	0	0	0	0	0	0	0
59	ALL	646741	4199380	6.18E-09	25YrCance	6.18E-09	0	0	0	0	0	0	0	0	0	0	0
60	ALL	646841	4199380	6.07E-09	25YrCance	6.07E-09	0	0	0	0	0	0	0	0	0	0	0
61	ALL	646941	4199380	5.95E-09	25YrCance	5.95E-09	0	0	0	0	0	0	0	0	0	0	0
62	ALL	647041	4199380	5.82E-09	25YrCance	5.82E-09	0	0	0	0	0	0	0	0	0	0	0
63	ALL	647141	4199380	5.67E-09	25YrCance	5.67E-09	0	0	0	0	0	0	0	0	0	0	0
64	ALL	647241	4199380	5.51E-09	25YrCance	5.51E-09	0	0	0	0	0	0	0	0	0	0	0
65	ALL	647341	4199380	5.33E-09	25YrCance	5.33E-09	0	0	0	0	0	0	0	0	0	0	0
66	ALL	644341	4199480	2.10E-09	25YrCance	2.10E-09	0	0	0	0	0	0	0	0	0	0	0
67	ALL	644441	4199480	2.22E-09	25YrCance	2.22E-09	0	0	0	0	0	0	0	0	0	0	0
68	ALL	644541	4199480	2.36E-09	25YrCance	2.36E-09	0	0	0	0	0	0	0	0	0	0	0
69	ALL	644641	4199480	2.51E-09	25YrCance	2.51E-09	0	0	0	0	0	0	0	0	0	0	0
70	ALL	644741	4199480	2.71E-09	25YrCance	2.71E-09	0	0	0	0	0	0	0	0	0	0	0
71	ALL	644841	4199480	2.94E-09	25YrCance	2.94E-09	0	0	0	0	0	0	0	0	0	0	0
72	ALL	644941	4199480	3.23E-09	25YrCance	3.23E-09	0	0	0	0	0	0	0	0	0	0	0
73	ALL	645041	4199480	3.57E-09	25YrCance	3.57E-09	0	0	0	0	0	0	0	0	0	0	0
74	ALL	645141	4199480	3.95E-09	25YrCance	3.95E-09	0	0	0	0	0	0	0	0	0	0	0
75	ALL	645241	4199480	4.36E-09	25YrCance	4.36E-09	0	0	0	0	0	0	0	0	0	0	0
76	ALL	645341	4199480	4.75E-09	25YrCance	4.75E-09	0	0	0	0	0	0	0	0	0	0	0
77	ALL	645441	4199480	5.09E-09	25YrCance	5.09E-09	0	0	0	0	0	0	0	0	0	0	0
78	ALL	645541	4199480	5.33E-09	25YrCance	5.33E-09	0	0	0	0	0	0	0	0	0	0	0
79	ALL	645641	4199480	5.47E-09	25YrCance	5.47E-09	0	0	0	0	0	0	0	0	0	0	0
80	ALL	645741	4199480	5.56E-09	25YrCance	5.56E-09	0	0	0	0	0	0	0	0	0	0	0
81	ALL	645841	4199480	5.67E-09	25YrCance	5.67E-09	0	0	0	0	0	0	0	0	0	0	0
82	ALL	645941	4199480	5.88E-09	25YrCance	5.88E-09	0	0	0	0	0	0	0	0	0	0	0
83	ALL	646041	4199480	6.19E-09	25YrCance	6.19E-09	0	0	0	0	0	0	0	0	0	0	0
84	ALL	646141	4199480	6.53E-09	25YrCance	6.53E-09	0	0	0	0	0	0	0	0	0	0	0
85	ALL	646241	4199480	6.84E-09	25YrCance	6.84E-09	0	0	0	0	0	0	0	0	0	0	0
86	ALL	646341	4199480	7.05E-09	25YrCance	7.05E-09	0	0	0	0	0	0	0	0	0	0	0
87	ALL	646441	4199480	7.14E-09	25YrCance	7.14E-09	0	0	0	0	0	0	0	0	0	0	0
88	ALL	646541	4199480	7.13E-09	25YrCance	7.13E-09	0	0	0	0	0	0	0	0	0	0	0
89	ALL	646641	4199480	7.05E-09	25YrCance	7.05E-09	0	0	0	0	0	0	0	0	0	0	0
90	ALL	646741	4199480	6.93E-09	25YrCance	6.93E-09	0	0	0	0	0	0	0	0	0	0	0
91	ALL	646841	4199480	6.79E-09	25YrCance	6.79E-09	0	0	0	0	0	0	0	0	0	0	0
92	ALL	646941	4199480	6.62E-09	25YrCance	6.62E-09	0	0	0	0	0	0	0	0	0	0	0

93	ALL	647041	4199480	6.45E-09	25YrCance	6.45E-09	0	0	0	0	0	0	0	0	0	0	0
94	ALL	647141	4199480	6.25E-09	25YrCance	6.25E-09	0	0	0	0	0	0	0	0	0	0	0
95	ALL	647241	4199480	6.03E-09	25YrCance	6.03E-09	0	0	0	0	0	0	0	0	0	0	0
96	ALL	647341	4199480	5.79E-09	25YrCance	5.79E-09	0	0	0	0	0	0	0	0	0	0	0
97	ALL	644341	4199580	2.25E-09	25YrCance	2.25E-09	0	0	0	0	0	0	0	0	0	0	0
98	ALL	644441	4199580	2.38E-09	25YrCance	2.38E-09	0	0	0	0	0	0	0	0	0	0	0
99	ALL	644541	4199580	2.52E-09	25YrCance	2.52E-09	0	0	0	0	0	0	0	0	0	0	0
100	ALL	644641	4199580	2.69E-09	25YrCance	2.69E-09	0	0	0	0	0	0	0	0	0	0	0
101	ALL	644741	4199580	2.89E-09	25YrCance	2.89E-09	0	0	0	0	0	0	0	0	0	0	0
102	ALL	644841	4199580	3.14E-09	25YrCance	3.14E-09	0	0	0	0	0	0	0	0	0	0	0
103	ALL	644941	4199580	3.44E-09	25YrCance	3.44E-09	0	0	0	0	0	0	0	0	0	0	0
104	ALL	645041	4199580	3.81E-09	25YrCance	3.81E-09	0	0	0	0	0	0	0	0	0	0	0
105	ALL	645141	4199580	4.25E-09	25YrCance	4.25E-09	0	0	0	0	0	0	0	0	0	0	0
106	ALL	645241	4199580	4.74E-09	25YrCance	4.74E-09	0	0	0	0	0	0	0	0	0	0	0
107	ALL	645341	4199580	5.23E-09	25YrCance	5.23E-09	0	0	0	0	0	0	0	0	0	0	0
108	ALL	645441	4199580	5.68E-09	25YrCance	5.68E-09	0	0	0	0	0	0	0	0	0	0	0
109	ALL	645541	4199580	6.01E-09	25YrCance	6.01E-09	0	0	0	0	0	0	0	0	0	0	0
110	ALL	645641	4199580	6.22E-09	25YrCance	6.22E-09	0	0	0	0	0	0	0	0	0	0	0
111	ALL	645741	4199580	6.35E-09	25YrCance	6.35E-09	0	0	0	0	0	0	0	0	0	0	0
112	ALL	645841	4199580	6.50E-09	25YrCance	6.50E-09	0	0	0	0	0	0	0	0	0	0	0
113	ALL	645941	4199580	6.76E-09	25YrCance	6.76E-09	0	0	0	0	0	0	0	0	0	0	0
114	ALL	646041	4199580	7.15E-09	25YrCance	7.15E-09	0	0	0	0	0	0	0	0	0	0	0
115	ALL	646141	4199580	7.57E-09	25YrCance	7.57E-09	0	0	0	0	0	0	0	0	0	0	0
116	ALL	646241	4199580	7.91E-09	25YrCance	7.91E-09	0	0	0	0	0	0	0	0	0	0	0
117	ALL	646341	4199580	8.12E-09	25YrCance	8.12E-09	0	0	0	0	0	0	0	0	0	0	0
118	ALL	646441	4199580	8.18E-09	25YrCance	8.18E-09	0	0	0	0	0	0	0	0	0	0	0
119	ALL	646541	4199580	8.13E-09	25YrCance	8.13E-09	0	0	0	0	0	0	0	0	0	0	0
120	ALL	646641	4199580	8.00E-09	25YrCance	8.00E-09	0	0	0	0	0	0	0	0	0	0	0
121	ALL	646741	4199580	7.83E-09	25YrCance	7.83E-09	0	0	0	0	0	0	0	0	0	0	0
122	ALL	646841	4199580	7.64E-09	25YrCance	7.64E-09	0	0	0	0	0	0	0	0	0	0	0
123	ALL	646941	4199580	7.40E-09	25YrCance	7.40E-09	0	0	0	0	0	0	0	0	0	0	0
124	ALL	647041	4199580	7.16E-09	25YrCance	7.16E-09	0	0	0	0	0	0	0	0	0	0	0
125	ALL	647141	4199580	6.88E-09	25YrCance	6.88E-09	0	0	0	0	0	0	0	0	0	0	0
126	ALL	647241	4199580	6.59E-09	25YrCance	6.59E-09	0	0	0	0	0	0	0	0	0	0	0
127	ALL	647341	4199580	6.28E-09	25YrCance	6.28E-09	0	0	0	0	0	0	0	0	0	0	0
128	ALL	644341	4199680	2.42E-09	25YrCance	2.42E-09	0	0	0	0	0	0	0	0	0	0	0
129	ALL	644441	4199680	2.56E-09	25YrCance	2.56E-09	0	0	0	0	0	0	0	0	0	0	0
130	ALL	644541	4199680	2.72E-09	25YrCance	2.72E-09	0	0	0	0	0	0	0	0	0	0	0
131	ALL	644641	4199680	2.90E-09	25YrCance	2.90E-09	0	0	0	0	0	0	0	0	0	0	0
132	ALL	644741	4199680	3.11E-09	25YrCance	3.11E-09	0	0	0	0	0	0	0	0	0	0	0
133	ALL	644841	4199680	3.37E-09	25YrCance	3.37E-09	0	0	0	0	0	0	0	0	0	0	0
134	ALL	644941	4199680	3.69E-09	25YrCance	3.69E-09	0	0	0	0	0	0	0	0	0	0	0
135	ALL	645041	4199680	4.09E-09	25YrCance	4.09E-09	0	0	0	0	0	0	0	0	0	0	0
136	ALL	645141	4199680	4.58E-09	25YrCance	4.58E-09	0	0	0	0	0	0	0	0	0	0	0
137	ALL	645241	4199680	5.16E-09	25YrCance	5.16E-09	0	0	0	0	0	0	0	0	0	0	0
138	ALL	645341	4199680	5.77E-09	25YrCance	5.77E-09	0	0	0	0	0	0	0	0	0	0	0
139	ALL	645441	4199680	6.36E-09	25YrCance	6.36E-09	0	0	0	0	0	0	0	0	0	0	0
140	ALL	645541	4199680	6.84E-09	25YrCance	6.84E-09	0	0	0	0	0	0	0	0	0	0	0

141	ALL	645641	4199680	7.15E-09	25YrCance	7.15E-09	0	0	0	0	0	0	0	0	0	0	0
142	ALL	645741	4199680	7.34E-09	25YrCance	7.34E-09	0	0	0	0	0	0	0	0	0	0	0
143	ALL	645841	4199680	7.54E-09	25YrCance	7.54E-09	0	0	0	0	0	0	0	0	0	0	0
144	ALL	645941	4199680	7.88E-09	25YrCance	7.88E-09	0	0	0	0	0	0	0	0	0	0	0
145	ALL	646041	4199680	8.37E-09	25YrCance	8.37E-09	0	0	0	0	0	0	0	0	0	0	0
146	ALL	646141	4199680	8.88E-09	25YrCance	8.88E-09	0	0	0	0	0	0	0	0	0	0	0
147	ALL	646241	4199680	9.26E-09	25YrCance	9.26E-09	0	0	0	0	0	0	0	0	0	0	0
148	ALL	646341	4199680	9.46E-09	25YrCance	9.46E-09	0	0	0	0	0	0	0	0	0	0	0
149	ALL	646441	4199680	9.47E-09	25YrCance	9.47E-09	0	0	0	0	0	0	0	0	0	0	0
150	ALL	646541	4199680	9.35E-09	25YrCance	9.35E-09	0	0	0	0	0	0	0	0	0	0	0
151	ALL	646641	4199680	9.15E-09	25YrCance	9.15E-09	0	0	0	0	0	0	0	0	0	0	0
152	ALL	646741	4199680	8.90E-09	25YrCance	8.90E-09	0	0	0	0	0	0	0	0	0	0	0
153	ALL	646841	4199680	8.63E-09	25YrCance	8.63E-09	0	0	0	0	0	0	0	0	0	0	0
154	ALL	646941	4199680	8.30E-09	25YrCance	8.30E-09	0	0	0	0	0	0	0	0	0	0	0
155	ALL	647041	4199680	7.95E-09	25YrCance	7.95E-09	0	0	0	0	0	0	0	0	0	0	0
156	ALL	647141	4199680	7.57E-09	25YrCance	7.57E-09	0	0	0	0	0	0	0	0	0	0	0
157	ALL	647241	4199680	7.17E-09	25YrCance	7.17E-09	0	0	0	0	0	0	0	0	0	0	0
158	ALL	647341	4199680	6.78E-09	25YrCance	6.78E-09	0	0	0	0	0	0	0	0	0	0	0
159	ALL	644341	4199780	2.60E-09	25YrCance	2.60E-09	0	0	0	0	0	0	0	0	0	0	0
160	ALL	644441	4199780	2.76E-09	25YrCance	2.76E-09	0	0	0	0	0	0	0	0	0	0	0
161	ALL	644541	4199780	2.94E-09	25YrCance	2.94E-09	0	0	0	0	0	0	0	0	0	0	0
162	ALL	644641	4199780	3.14E-09	25YrCance	3.14E-09	0	0	0	0	0	0	0	0	0	0	0
163	ALL	644741	4199780	3.37E-09	25YrCance	3.37E-09	0	0	0	0	0	0	0	0	0	0	0
164	ALL	644841	4199780	3.65E-09	25YrCance	3.65E-09	0	0	0	0	0	0	0	0	0	0	0
165	ALL	644941	4199780	3.98E-09	25YrCance	3.98E-09	0	0	0	0	0	0	0	0	0	0	0
166	ALL	645041	4199780	4.41E-09	25YrCance	4.41E-09	0	0	0	0	0	0	0	0	0	0	0
167	ALL	645141	4199780	4.96E-09	25YrCance	4.96E-09	0	0	0	0	0	0	0	0	0	0	0
168	ALL	645241	4199780	5.63E-09	25YrCance	5.63E-09	0	0	0	0	0	0	0	0	0	0	0
169	ALL	645341	4199780	6.39E-09	25YrCance	6.39E-09	0	0	0	0	0	0	0	0	0	0	0
170	ALL	645441	4199780	7.17E-09	25YrCance	7.17E-09	0	0	0	0	0	0	0	0	0	0	0
171	ALL	645541	4199780	7.84E-09	25YrCance	7.84E-09	0	0	0	0	0	0	0	0	0	0	0
172	ALL	645641	4199780	8.30E-09	25YrCance	8.30E-09	0	0	0	0	0	0	0	0	0	0	0
173	ALL	645741	4199780	8.59E-09	25YrCance	8.59E-09	0	0	0	0	0	0	0	0	0	0	0
174	ALL	645841	4199780	8.87E-09	25YrCance	8.87E-09	0	0	0	0	0	0	0	0	0	0	0
175	ALL	645941	4199780	9.33E-09	25YrCance	9.33E-09	0	0	0	0	0	0	0	0	0	0	0
176	ALL	646041	4199780	9.96E-09	25YrCance	9.96E-09	0	0	0	0	0	0	0	0	0	0	0
177	ALL	646141	4199780	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
178	ALL	646241	4199780	1.10E-08	25YrCance	1.10E-08	0	0	0	0	0	0	0	0	0	0	0
179	ALL	646341	4199780	1.12E-08	25YrCance	1.12E-08	0	0	0	0	0	0	0	0	0	0	0
180	ALL	646441	4199780	1.11E-08	25YrCance	1.11E-08	0	0	0	0	0	0	0	0	0	0	0
181	ALL	646541	4199780	1.09E-08	25YrCance	1.09E-08	0	0	0	0	0	0	0	0	0	0	0
182	ALL	646641	4199780	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
183	ALL	646741	4199780	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
184	ALL	646841	4199780	9.77E-09	25YrCance	9.77E-09	0	0	0	0	0	0	0	0	0	0	0
185	ALL	646941	4199780	9.30E-09	25YrCance	9.30E-09	0	0	0	0	0	0	0	0	0	0	0
186	ALL	647041	4199780	8.81E-09	25YrCance	8.81E-09	0	0	0	0	0	0	0	0	0	0	0
187	ALL	647141	4199780	8.29E-09	25YrCance	8.29E-09	0	0	0	0	0	0	0	0	0	0	0
188	ALL	647241	4199780	7.78E-09	25YrCance	7.78E-09	0	0	0	0	0	0	0	0	0	0	0

189	ALL	647341	4199780	7.28E-09	25YrCance	7.28E-09	0	0	0	0	0	0	0	0	0	0	0
190	ALL	644341	4199880	2.79E-09	25YrCance	2.79E-09	0	0	0	0	0	0	0	0	0	0	0
191	ALL	644441	4199880	2.99E-09	25YrCance	2.99E-09	0	0	0	0	0	0	0	0	0	0	0
192	ALL	644541	4199880	3.20E-09	25YrCance	3.20E-09	0	0	0	0	0	0	0	0	0	0	0
193	ALL	644641	4199880	3.43E-09	25YrCance	3.43E-09	0	0	0	0	0	0	0	0	0	0	0
194	ALL	644741	4199880	3.69E-09	25YrCance	3.69E-09	0	0	0	0	0	0	0	0	0	0	0
195	ALL	644841	4199880	3.99E-09	25YrCance	3.99E-09	0	0	0	0	0	0	0	0	0	0	0
196	ALL	644941	4199880	4.35E-09	25YrCance	4.35E-09	0	0	0	0	0	0	0	0	0	0	0
197	ALL	645041	4199880	4.81E-09	25YrCance	4.81E-09	0	0	0	0	0	0	0	0	0	0	0
198	ALL	645141	4199880	5.40E-09	25YrCance	5.40E-09	0	0	0	0	0	0	0	0	0	0	0
199	ALL	645241	4199880	6.17E-09	25YrCance	6.17E-09	0	0	0	0	0	0	0	0	0	0	0
200	ALL	645341	4199880	7.09E-09	25YrCance	7.09E-09	0	0	0	0	0	0	0	0	0	0	0
201	ALL	645441	4199880	8.11E-09	25YrCance	8.11E-09	0	0	0	0	0	0	0	0	0	0	0
202	ALL	645541	4199880	9.06E-09	25YrCance	9.06E-09	0	0	0	0	0	0	0	0	0	0	0
203	ALL	645641	4199880	9.77E-09	25YrCance	9.77E-09	0	0	0	0	0	0	0	0	0	0	0
204	ALL	645741	4199880	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
205	ALL	645841	4199880	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
206	ALL	645941	4199880	1.13E-08	25YrCance	1.13E-08	0	0	0	0	0	0	0	0	0	0	0
207	ALL	646041	4199880	1.21E-08	25YrCance	1.21E-08	0	0	0	0	0	0	0	0	0	0	0
208	ALL	646141	4199880	1.28E-08	25YrCance	1.28E-08	0	0	0	0	0	0	0	0	0	0	0
209	ALL	646241	4199880	1.33E-08	25YrCance	1.33E-08	0	0	0	0	0	0	0	0	0	0	0
210	ALL	646341	4199880	1.33E-08	25YrCance	1.33E-08	0	0	0	0	0	0	0	0	0	0	0
211	ALL	646441	4199880	1.31E-08	25YrCance	1.31E-08	0	0	0	0	0	0	0	0	0	0	0
212	ALL	646541	4199880	1.28E-08	25YrCance	1.28E-08	0	0	0	0	0	0	0	0	0	0	0
213	ALL	646641	4199880	1.23E-08	25YrCance	1.23E-08	0	0	0	0	0	0	0	0	0	0	0
214	ALL	646741	4199880	1.17E-08	25YrCance	1.17E-08	0	0	0	0	0	0	0	0	0	0	0
215	ALL	646841	4199880	1.11E-08	25YrCance	1.11E-08	0	0	0	0	0	0	0	0	0	0	0
216	ALL	646941	4199880	1.04E-08	25YrCance	1.04E-08	0	0	0	0	0	0	0	0	0	0	0
217	ALL	647041	4199880	9.72E-09	25YrCance	9.72E-09	0	0	0	0	0	0	0	0	0	0	0
218	ALL	647141	4199880	9.04E-09	25YrCance	9.04E-09	0	0	0	0	0	0	0	0	0	0	0
219	ALL	647241	4199880	8.38E-09	25YrCance	8.38E-09	0	0	0	0	0	0	0	0	0	0	0
220	ALL	647341	4199880	7.76E-09	25YrCance	7.76E-09	0	0	0	0	0	0	0	0	0	0	0
221	ALL	644341	4199980	3.01E-09	25YrCance	3.01E-09	0	0	0	0	0	0	0	0	0	0	0
222	ALL	644441	4199980	3.23E-09	25YrCance	3.23E-09	0	0	0	0	0	0	0	0	0	0	0
223	ALL	644541	4199980	3.48E-09	25YrCance	3.48E-09	0	0	0	0	0	0	0	0	0	0	0
224	ALL	644641	4199980	3.75E-09	25YrCance	3.75E-09	0	0	0	0	0	0	0	0	0	0	0
225	ALL	644741	4199980	4.06E-09	25YrCance	4.06E-09	0	0	0	0	0	0	0	0	0	0	0
226	ALL	644841	4199980	4.40E-09	25YrCance	4.40E-09	0	0	0	0	0	0	0	0	0	0	0
227	ALL	644941	4199980	4.81E-09	25YrCance	4.81E-09	0	0	0	0	0	0	0	0	0	0	0
228	ALL	645041	4199980	5.30E-09	25YrCance	5.30E-09	0	0	0	0	0	0	0	0	0	0	0
229	ALL	645141	4199980	5.95E-09	25YrCance	5.95E-09	0	0	0	0	0	0	0	0	0	0	0
230	ALL	645241	4199980	6.80E-09	25YrCance	6.80E-09	0	0	0	0	0	0	0	0	0	0	0
231	ALL	645341	4199980	7.91E-09	25YrCance	7.91E-09	0	0	0	0	0	0	0	0	0	0	0
232	ALL	645441	4199980	9.23E-09	25YrCance	9.23E-09	0	0	0	0	0	0	0	0	0	0	0
233	ALL	645541	4199980	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
234	ALL	645641	4199980	1.17E-08	25YrCance	1.17E-08	0	0	0	0	0	0	0	0	0	0	0
235	ALL	645741	4199980	1.24E-08	25YrCance	1.24E-08	0	0	0	0	0	0	0	0	0	0	0
236	ALL	645841	4199980	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0

237	ALL	645941	4199980	1.39E-08	25YrCance	1.39E-08	0	0	0	0	0	0	0	0	0	0	0
238	ALL	646041	4199980	1.50E-08	25YrCance	1.50E-08	0	0	0	0	0	0	0	0	0	0	0
239	ALL	646141	4199980	1.59E-08	25YrCance	1.59E-08	0	0	0	0	0	0	0	0	0	0	0
240	ALL	646241	4199980	1.63E-08	25YrCance	1.63E-08	0	0	0	0	0	0	0	0	0	0	0
241	ALL	646341	4199980	1.62E-08	25YrCance	1.62E-08	0	0	0	0	0	0	0	0	0	0	0
242	ALL	646441	4199980	1.58E-08	25YrCance	1.58E-08	0	0	0	0	0	0	0	0	0	0	0
243	ALL	646541	4199980	1.52E-08	25YrCance	1.52E-08	0	0	0	0	0	0	0	0	0	0	0
244	ALL	646641	4199980	1.44E-08	25YrCance	1.44E-08	0	0	0	0	0	0	0	0	0	0	0
245	ALL	646741	4199980	1.35E-08	25YrCance	1.35E-08	0	0	0	0	0	0	0	0	0	0	0
246	ALL	646841	4199980	1.25E-08	25YrCance	1.25E-08	0	0	0	0	0	0	0	0	0	0	0
247	ALL	646941	4199980	1.16E-08	25YrCance	1.16E-08	0	0	0	0	0	0	0	0	0	0	0
248	ALL	647041	4199980	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
249	ALL	647141	4199980	9.76E-09	25YrCance	9.76E-09	0	0	0	0	0	0	0	0	0	0	0
250	ALL	647241	4199980	8.94E-09	25YrCance	8.94E-09	0	0	0	0	0	0	0	0	0	0	0
251	ALL	647341	4199980	8.20E-09	25YrCance	8.20E-09	0	0	0	0	0	0	0	0	0	0	0
252	ALL	644341	4200080	3.23E-09	25YrCance	3.23E-09	0	0	0	0	0	0	0	0	0	0	0
253	ALL	644441	4200080	3.49E-09	25YrCance	3.49E-09	0	0	0	0	0	0	0	0	0	0	0
254	ALL	644541	4200080	3.78E-09	25YrCance	3.78E-09	0	0	0	0	0	0	0	0	0	0	0
255	ALL	644641	4200080	4.11E-09	25YrCance	4.11E-09	0	0	0	0	0	0	0	0	0	0	0
256	ALL	644741	4200080	4.48E-09	25YrCance	4.48E-09	0	0	0	0	0	0	0	0	0	0	0
257	ALL	644841	4200080	4.89E-09	25YrCance	4.89E-09	0	0	0	0	0	0	0	0	0	0	0
258	ALL	644941	4200080	5.37E-09	25YrCance	5.37E-09	0	0	0	0	0	0	0	0	0	0	0
259	ALL	645041	4200080	5.93E-09	25YrCance	5.93E-09	0	0	0	0	0	0	0	0	0	0	0
260	ALL	645141	4200080	6.64E-09	25YrCance	6.64E-09	0	0	0	0	0	0	0	0	0	0	0
261	ALL	645241	4200080	7.59E-09	25YrCance	7.59E-09	0	0	0	0	0	0	0	0	0	0	0
262	ALL	645341	4200080	8.89E-09	25YrCance	8.89E-09	0	0	0	0	0	0	0	0	0	0	0
263	ALL	645441	4200080	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
264	ALL	645541	4200080	1.25E-08	25YrCance	1.25E-08	0	0	0	0	0	0	0	0	0	0	0
265	ALL	645641	4200080	1.42E-08	25YrCance	1.42E-08	0	0	0	0	0	0	0	0	0	0	0
266	ALL	645741	4200080	1.54E-08	25YrCance	1.54E-08	0	0	0	0	0	0	0	0	0	0	0
267	ALL	645841	4200080	1.64E-08	25YrCance	1.64E-08	0	0	0	0	0	0	0	0	0	0	0
268	ALL	645941	4200080	1.78E-08	25YrCance	1.78E-08	0	0	0	0	0	0	0	0	0	0	0
269	ALL	646041	4200080	1.93E-08	25YrCance	1.93E-08	0	0	0	0	0	0	0	0	0	0	0
270	ALL	646141	4200080	2.03E-08	25YrCance	2.03E-08	0	0	0	0	0	0	0	0	0	0	0
271	ALL	646241	4200080	2.06E-08	25YrCance	2.06E-08	0	0	0	0	0	0	0	0	0	0	0
272	ALL	646341	4200080	2.02E-08	25YrCance	2.02E-08	0	0	0	0	0	0	0	0	0	0	0
273	ALL	646441	4200080	1.93E-08	25YrCance	1.93E-08	0	0	0	0	0	0	0	0	0	0	0
274	ALL	646541	4200080	1.82E-08	25YrCance	1.82E-08	0	0	0	0	0	0	0	0	0	0	0
275	ALL	646641	4200080	1.69E-08	25YrCance	1.69E-08	0	0	0	0	0	0	0	0	0	0	0
276	ALL	646741	4200080	1.55E-08	25YrCance	1.55E-08	0	0	0	0	0	0	0	0	0	0	0
277	ALL	646841	4200080	1.41E-08	25YrCance	1.41E-08	0	0	0	0	0	0	0	0	0	0	0
278	ALL	646941	4200080	1.27E-08	25YrCance	1.27E-08	0	0	0	0	0	0	0	0	0	0	0
279	ALL	647041	4200080	1.15E-08	25YrCance	1.15E-08	0	0	0	0	0	0	0	0	0	0	0
280	ALL	647141	4200080	1.04E-08	25YrCance	1.04E-08	0	0	0	0	0	0	0	0	0	0	0
281	ALL	647241	4200080	9.46E-09	25YrCance	9.46E-09	0	0	0	0	0	0	0	0	0	0	0
282	ALL	647341	4200080	8.60E-09	25YrCance	8.60E-09	0	0	0	0	0	0	0	0	0	0	0
283	ALL	644341	4200180	3.47E-09	25YrCance	3.47E-09	0	0	0	0	0	0	0	0	0	0	0
284	ALL	644441	4200180	3.77E-09	25YrCance	3.77E-09	0	0	0	0	0	0	0	0	0	0	0

285	ALL	644541	4200180	4.11E-09	25YrCance	4.11E-09	0	0	0	0	0	0	0	0	0	0	0
286	ALL	644641	4200180	4.50E-09	25YrCance	4.50E-09	0	0	0	0	0	0	0	0	0	0	0
287	ALL	644741	4200180	4.95E-09	25YrCance	4.95E-09	0	0	0	0	0	0	0	0	0	0	0
288	ALL	644841	4200180	5.46E-09	25YrCance	5.46E-09	0	0	0	0	0	0	0	0	0	0	0
289	ALL	644941	4200180	6.04E-09	25YrCance	6.04E-09	0	0	0	0	0	0	0	0	0	0	0
290	ALL	645041	4200180	6.72E-09	25YrCance	6.72E-09	0	0	0	0	0	0	0	0	0	0	0
291	ALL	645141	4200180	7.56E-09	25YrCance	7.56E-09	0	0	0	0	0	0	0	0	0	0	0
292	ALL	645241	4200180	8.63E-09	25YrCance	8.63E-09	0	0	0	0	0	0	0	0	0	0	0
293	ALL	645341	4200180	1.01E-08	25YrCance	1.01E-08	0	0	0	0	0	0	0	0	0	0	0
294	ALL	645441	4200180	1.22E-08	25YrCance	1.22E-08	0	0	0	0	0	0	0	0	0	0	0
295	ALL	645541	4200180	1.49E-08	25YrCance	1.49E-08	0	0	0	0	0	0	0	0	0	0	0
296	ALL	645641	4200180	1.76E-08	25YrCance	1.76E-08	0	0	0	0	0	0	0	0	0	0	0
297	ALL	645741	4200180	1.97E-08	25YrCance	1.97E-08	0	0	0	0	0	0	0	0	0	0	0
298	ALL	645841	4200180	2.15E-08	25YrCance	2.15E-08	0	0	0	0	0	0	0	0	0	0	0
299	ALL	645941	4200180	2.36E-08	25YrCance	2.36E-08	0	0	0	0	0	0	0	0	0	0	0
300	ALL	646041	4200180	2.57E-08	25YrCance	2.57E-08	0	0	0	0	0	0	0	0	0	0	0
301	ALL	646141	4200180	2.69E-08	25YrCance	2.69E-08	0	0	0	0	0	0	0	0	0	0	0
302	ALL	646241	4200180	2.67E-08	25YrCance	2.67E-08	0	0	0	0	0	0	0	0	0	0	0
303	ALL	646341	4200180	2.55E-08	25YrCance	2.55E-08	0	0	0	0	0	0	0	0	0	0	0
304	ALL	646441	4200180	2.38E-08	25YrCance	2.38E-08	0	0	0	0	0	0	0	0	0	0	0
305	ALL	646541	4200180	2.18E-08	25YrCance	2.18E-08	0	0	0	0	0	0	0	0	0	0	0
306	ALL	646641	4200180	1.96E-08	25YrCance	1.96E-08	0	0	0	0	0	0	0	0	0	0	0
307	ALL	646741	4200180	1.75E-08	25YrCance	1.75E-08	0	0	0	0	0	0	0	0	0	0	0
308	ALL	646841	4200180	1.56E-08	25YrCance	1.56E-08	0	0	0	0	0	0	0	0	0	0	0
309	ALL	646941	4200180	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
310	ALL	647041	4200180	1.23E-08	25YrCance	1.23E-08	0	0	0	0	0	0	0	0	0	0	0
311	ALL	647141	4200180	1.10E-08	25YrCance	1.10E-08	0	0	0	0	0	0	0	0	0	0	0
312	ALL	647241	4200180	9.90E-09	25YrCance	9.90E-09	0	0	0	0	0	0	0	0	0	0	0
313	ALL	647341	4200180	8.93E-09	25YrCance	8.93E-09	0	0	0	0	0	0	0	0	0	0	0
314	ALL	644341	4200280	3.72E-09	25YrCance	3.72E-09	0	0	0	0	0	0	0	0	0	0	0
315	ALL	644441	4200280	4.07E-09	25YrCance	4.07E-09	0	0	0	0	0	0	0	0	0	0	0
316	ALL	644541	4200280	4.47E-09	25YrCance	4.47E-09	0	0	0	0	0	0	0	0	0	0	0
317	ALL	644641	4200280	4.93E-09	25YrCance	4.93E-09	0	0	0	0	0	0	0	0	0	0	0
318	ALL	644741	4200280	5.46E-09	25YrCance	5.46E-09	0	0	0	0	0	0	0	0	0	0	0
319	ALL	644841	4200280	6.09E-09	25YrCance	6.09E-09	0	0	0	0	0	0	0	0	0	0	0
320	ALL	644941	4200280	6.82E-09	25YrCance	6.82E-09	0	0	0	0	0	0	0	0	0	0	0
321	ALL	645041	4200280	7.69E-09	25YrCance	7.69E-09	0	0	0	0	0	0	0	0	0	0	0
322	ALL	645141	4200280	8.73E-09	25YrCance	8.73E-09	0	0	0	0	0	0	0	0	0	0	0
323	ALL	645241	4200280	1.00E-08	25YrCance	1.00E-08	0	0	0	0	0	0	0	0	0	0	0
324	ALL	645341	4200280	1.18E-08	25YrCance	1.18E-08	0	0	0	0	0	0	0	0	0	0	0
325	ALL	645441	4200280	1.43E-08	25YrCance	1.43E-08	0	0	0	0	0	0	0	0	0	0	0
326	ALL	645541	4200280	1.80E-08	25YrCance	1.80E-08	0	0	0	0	0	0	0	0	0	0	0
327	ALL	645641	4200280	2.24E-08	25YrCance	2.24E-08	0	0	0	0	0	0	0	0	0	0	0
328	ALL	645741	4200280	2.63E-08	25YrCance	2.63E-08	0	0	0	0	0	0	0	0	0	0	0
329	ALL	645841	4200280	2.95E-08	25YrCance	2.95E-08	0	0	0	0	0	0	0	0	0	0	0
330	ALL	645941	4200280	3.30E-08	25YrCance	3.30E-08	0	0	0	0	0	0	0	0	0	0	0
331	ALL	646041	4200280	3.62E-08	25YrCance	3.62E-08	0	0	0	0	0	0	0	0	0	0	0
332	ALL	646141	4200280	3.71E-08	25YrCance	3.71E-08	0	0	0	0	0	0	0	0	0	0	0

333	ALL	646241	4200280	3.56E-08	25YrCance	3.56E-08	0	0	0	0	0	0	0	0	0	0	0
334	ALL	646341	4200280	3.28E-08	25YrCance	3.28E-08	0	0	0	0	0	0	0	0	0	0	0
335	ALL	646441	4200280	2.94E-08	25YrCance	2.94E-08	0	0	0	0	0	0	0	0	0	0	0
336	ALL	646541	4200280	2.58E-08	25YrCance	2.58E-08	0	0	0	0	0	0	0	0	0	0	0
337	ALL	646641	4200280	2.24E-08	25YrCance	2.24E-08	0	0	0	0	0	0	0	0	0	0	0
338	ALL	646741	4200280	1.94E-08	25YrCance	1.94E-08	0	0	0	0	0	0	0	0	0	0	0
339	ALL	646841	4200280	1.69E-08	25YrCance	1.69E-08	0	0	0	0	0	0	0	0	0	0	0
340	ALL	646941	4200280	1.48E-08	25YrCance	1.48E-08	0	0	0	0	0	0	0	0	0	0	0
341	ALL	647041	4200280	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0
342	ALL	647141	4200280	1.15E-08	25YrCance	1.15E-08	0	0	0	0	0	0	0	0	0	0	0
343	ALL	647241	4200280	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
344	ALL	647341	4200280	9.18E-09	25YrCance	9.18E-09	0	0	0	0	0	0	0	0	0	0	0
345	ALL	644341	4200380	4.00E-09	25YrCance	4.00E-09	0	0	0	0	0	0	0	0	0	0	0
346	ALL	644441	4200380	4.39E-09	25YrCance	4.39E-09	0	0	0	0	0	0	0	0	0	0	0
347	ALL	644541	4200380	4.85E-09	25YrCance	4.85E-09	0	0	0	0	0	0	0	0	0	0	0
348	ALL	644641	4200380	5.39E-09	25YrCance	5.39E-09	0	0	0	0	0	0	0	0	0	0	0
349	ALL	644741	4200380	6.03E-09	25YrCance	6.03E-09	0	0	0	0	0	0	0	0	0	0	0
350	ALL	644841	4200380	6.79E-09	25YrCance	6.79E-09	0	0	0	0	0	0	0	0	0	0	0
351	ALL	644941	4200380	7.71E-09	25YrCance	7.71E-09	0	0	0	0	0	0	0	0	0	0	0
352	ALL	645041	4200380	8.83E-09	25YrCance	8.83E-09	0	0	0	0	0	0	0	0	0	0	0
353	ALL	645141	4200380	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
354	ALL	645241	4200380	1.19E-08	25YrCance	1.19E-08	0	0	0	0	0	0	0	0	0	0	0
355	ALL	645341	4200380	1.41E-08	25YrCance	1.41E-08	0	0	0	0	0	0	0	0	0	0	0
356	ALL	645441	4200380	1.73E-08	25YrCance	1.73E-08	0	0	0	0	0	0	0	0	0	0	0
357	ALL	645541	4200380	2.23E-08	25YrCance	2.23E-08	0	0	0	0	0	0	0	0	0	0	0
358	ALL	645641	4200380	2.94E-08	25YrCance	2.94E-08	0	0	0	0	0	0	0	0	0	0	0
359	ALL	645741	4200380	3.70E-08	25YrCance	3.70E-08	0	0	0	0	0	0	0	0	0	0	0
360	ALL	645841	4200380	4.36E-08	25YrCance	4.36E-08	0	0	0	0	0	0	0	0	0	0	0
361	ALL	645941	4200380	5.00E-08	25YrCance	5.00E-08	0	0	0	0	0	0	0	0	0	0	0
362	ALL	646041	4200380	5.43E-08	25YrCance	5.43E-08	0	0	0	0	0	0	0	0	0	0	0
363	ALL	646141	4200380	5.34E-08	25YrCance	5.34E-08	0	0	0	0	0	0	0	0	0	0	0
364	ALL	646241	4200380	4.86E-08	25YrCance	4.86E-08	0	0	0	0	0	0	0	0	0	0	0
365	ALL	646341	4200380	4.22E-08	25YrCance	4.22E-08	0	0	0	0	0	0	0	0	0	0	0
366	ALL	646441	4200380	3.56E-08	25YrCance	3.56E-08	0	0	0	0	0	0	0	0	0	0	0
367	ALL	646541	4200380	2.98E-08	25YrCance	2.98E-08	0	0	0	0	0	0	0	0	0	0	0
368	ALL	646641	4200380	2.50E-08	25YrCance	2.50E-08	0	0	0	0	0	0	0	0	0	0	0
369	ALL	646741	4200380	2.11E-08	25YrCance	2.11E-08	0	0	0	0	0	0	0	0	0	0	0
370	ALL	646841	4200380	1.80E-08	25YrCance	1.80E-08	0	0	0	0	0	0	0	0	0	0	0
371	ALL	646941	4200380	1.55E-08	25YrCance	1.55E-08	0	0	0	0	0	0	0	0	0	0	0
372	ALL	647041	4200380	1.35E-08	25YrCance	1.35E-08	0	0	0	0	0	0	0	0	0	0	0
373	ALL	647141	4200380	1.18E-08	25YrCance	1.18E-08	0	0	0	0	0	0	0	0	0	0	0
374	ALL	647241	4200380	1.05E-08	25YrCance	1.05E-08	0	0	0	0	0	0	0	0	0	0	0
375	ALL	647341	4200380	9.35E-09	25YrCance	9.35E-09	0	0	0	0	0	0	0	0	0	0	0
376	ALL	644341	4200480	4.31E-09	25YrCance	4.31E-09	0	0	0	0	0	0	0	0	0	0	0
377	ALL	644441	4200480	4.75E-09	25YrCance	4.75E-09	0	0	0	0	0	0	0	0	0	0	0
378	ALL	644541	4200480	5.28E-09	25YrCance	5.28E-09	0	0	0	0	0	0	0	0	0	0	0
379	ALL	644641	4200480	5.91E-09	25YrCance	5.91E-09	0	0	0	0	0	0	0	0	0	0	0
380	ALL	644741	4200480	6.66E-09	25YrCance	6.66E-09	0	0	0	0	0	0	0	0	0	0	0

381	ALL	644841	4200480	7.58E-09	25YrCance	7.58E-09	0	0	0	0	0	0	0	0	0	0	0
382	ALL	644941	4200480	8.72E-09	25YrCance	8.72E-09	0	0	0	0	0	0	0	0	0	0	0
383	ALL	645041	4200480	1.01E-08	25YrCance	1.01E-08	0	0	0	0	0	0	0	0	0	0	0
384	ALL	645141	4200480	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
385	ALL	645241	4200480	1.43E-08	25YrCance	1.43E-08	0	0	0	0	0	0	0	0	0	0	0
386	ALL	645341	4200480	1.75E-08	25YrCance	1.75E-08	0	0	0	0	0	0	0	0	0	0	0
387	ALL	645441	4200480	2.18E-08	25YrCance	2.18E-08	0	0	0	0	0	0	0	0	0	0	0
388	ALL	645541	4200480	2.87E-08	25YrCance	2.87E-08	0	0	0	0	0	0	0	0	0	0	0
389	ALL	645641	4200480	4.06E-08	25YrCance	4.06E-08	0	0	0	0	0	0	0	0	0	0	0
390	ALL	645741	4200480	5.69E-08	25YrCance	5.69E-08	0	0	0	0	0	0	0	0	0	0	0
391	ALL	645841	4200480	7.34E-08	25YrCance	7.34E-08	0	0	0	0	0	0	0	0	0	0	0
392	ALL	645941	4200480	8.67E-08	25YrCance	8.67E-08	0	0	0	0	0	0	0	0	0	0	0
393	ALL	646041	4200480	9.03E-08	25YrCance	9.03E-08	0	0	0	0	0	0	0	0	0	0	0
394	ALL	646141	4200480	8.10E-08	25YrCance	8.10E-08	0	0	0	0	0	0	0	0	0	0	0
395	ALL	646241	4200480	6.66E-08	25YrCance	6.66E-08	0	0	0	0	0	0	0	0	0	0	0
396	ALL	646341	4200480	5.28E-08	25YrCance	5.28E-08	0	0	0	0	0	0	0	0	0	0	0
397	ALL	646441	4200480	4.17E-08	25YrCance	4.17E-08	0	0	0	0	0	0	0	0	0	0	0
398	ALL	646541	4200480	3.32E-08	25YrCance	3.32E-08	0	0	0	0	0	0	0	0	0	0	0
399	ALL	646641	4200480	2.70E-08	25YrCance	2.70E-08	0	0	0	0	0	0	0	0	0	0	0
400	ALL	646741	4200480	2.23E-08	25YrCance	2.23E-08	0	0	0	0	0	0	0	0	0	0	0
401	ALL	646841	4200480	1.87E-08	25YrCance	1.87E-08	0	0	0	0	0	0	0	0	0	0	0
402	ALL	646941	4200480	1.59E-08	25YrCance	1.59E-08	0	0	0	0	0	0	0	0	0	0	0
403	ALL	647041	4200480	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
404	ALL	647141	4200480	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
405	ALL	647241	4200480	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
406	ALL	647341	4200480	9.41E-09	25YrCance	9.41E-09	0	0	0	0	0	0	0	0	0	0	0
407	ALL	644341	4200580	4.63E-09	25YrCance	4.63E-09	0	0	0	0	0	0	0	0	0	0	0
408	ALL	644441	4200580	5.14E-09	25YrCance	5.14E-09	0	0	0	0	0	0	0	0	0	0	0
409	ALL	644541	4200580	5.74E-09	25YrCance	5.74E-09	0	0	0	0	0	0	0	0	0	0	0
410	ALL	644641	4200580	6.47E-09	25YrCance	6.47E-09	0	0	0	0	0	0	0	0	0	0	0
411	ALL	644741	4200580	7.36E-09	25YrCance	7.36E-09	0	0	0	0	0	0	0	0	0	0	0
412	ALL	644841	4200580	8.46E-09	25YrCance	8.46E-09	0	0	0	0	0	0	0	0	0	0	0
413	ALL	644941	4200580	9.85E-09	25YrCance	9.85E-09	0	0	0	0	0	0	0	0	0	0	0
414	ALL	645041	4200580	1.16E-08	25YrCance	1.16E-08	0	0	0	0	0	0	0	0	0	0	0
415	ALL	645141	4200580	1.40E-08	25YrCance	1.40E-08	0	0	0	0	0	0	0	0	0	0	0
416	ALL	645241	4200580	1.72E-08	25YrCance	1.72E-08	0	0	0	0	0	0	0	0	0	0	0
417	ALL	645341	4200580	2.18E-08	25YrCance	2.18E-08	0	0	0	0	0	0	0	0	0	0	0
418	ALL	645441	4200580	2.86E-08	25YrCance	2.86E-08	0	0	0	0	0	0	0	0	0	0	0
419	ALL	645541	4200580	3.98E-08	25YrCance	3.98E-08	0	0	0	0	0	0	0	0	0	0	0
420	ALL	645641	4200580	6.08E-08	25YrCance	6.08E-08	0	0	0	0	0	0	0	0	0	0	0
421	ALL	645741	4200580	1.02E-07	25YrCance	1.02E-07	0	0	0	0	0	0	0	0	0	0	0
422	ALL	645841	4200580	1.54E-07	25YrCance	1.54E-07	0	0	0	0	0	0	0	0	0	0	0
423	ALL	645941	4200580	1.82E-07	25YrCance	1.82E-07	0	0	0	0	0	0	0	0	0	0	0
424	ALL	646041	4200580	1.66E-07	25YrCance	1.66E-07	0	0	0	0	0	0	0	0	0	0	0
425	ALL	646141	4200580	1.23E-07	25YrCance	1.23E-07	0	0	0	0	0	0	0	0	0	0	0
426	ALL	646241	4200580	8.64E-08	25YrCance	8.64E-08	0	0	0	0	0	0	0	0	0	0	0
427	ALL	646341	4200580	6.19E-08	25YrCance	6.19E-08	0	0	0	0	0	0	0	0	0	0	0
428	ALL	646441	4200580	4.59E-08	25YrCance	4.59E-08	0	0	0	0	0	0	0	0	0	0	0

429	ALL	646541	4200580	3.53E-08	25YrCance	3.53E-08	0	0	0	0	0	0	0	0	0	0	0
430	ALL	646641	4200580	2.80E-08	25YrCance	2.80E-08	0	0	0	0	0	0	0	0	0	0	0
431	ALL	646741	4200580	2.28E-08	25YrCance	2.28E-08	0	0	0	0	0	0	0	0	0	0	0
432	ALL	646841	4200580	1.90E-08	25YrCance	1.90E-08	0	0	0	0	0	0	0	0	0	0	0
433	ALL	646941	4200580	1.60E-08	25YrCance	1.60E-08	0	0	0	0	0	0	0	0	0	0	0
434	ALL	647041	4200580	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
435	ALL	647141	4200580	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
436	ALL	647241	4200580	1.05E-08	25YrCance	1.05E-08	0	0	0	0	0	0	0	0	0	0	0
437	ALL	647341	4200580	9.35E-09	25YrCance	9.35E-09	0	0	0	0	0	0	0	0	0	0	0
438	ALL	644341	4200680	4.95E-09	25YrCance	4.95E-09	0	0	0	0	0	0	0	0	0	0	0
439	ALL	644441	4200680	5.52E-09	25YrCance	5.52E-09	0	0	0	0	0	0	0	0	0	0	0
440	ALL	644541	4200680	6.20E-09	25YrCance	6.20E-09	0	0	0	0	0	0	0	0	0	0	0
441	ALL	644641	4200680	7.03E-09	25YrCance	7.03E-09	0	0	0	0	0	0	0	0	0	0	0
442	ALL	644741	4200680	8.06E-09	25YrCance	8.06E-09	0	0	0	0	0	0	0	0	0	0	0
443	ALL	644841	4200680	9.35E-09	25YrCance	9.35E-09	0	0	0	0	0	0	0	0	0	0	0
444	ALL	644941	4200680	1.10E-08	25YrCance	1.10E-08	0	0	0	0	0	0	0	0	0	0	0
445	ALL	645041	4200680	1.32E-08	25YrCance	1.32E-08	0	0	0	0	0	0	0	0	0	0	0
446	ALL	645141	4200680	1.63E-08	25YrCance	1.63E-08	0	0	0	0	0	0	0	0	0	0	0
447	ALL	645241	4200680	2.06E-08	25YrCance	2.06E-08	0	0	0	0	0	0	0	0	0	0	0
448	ALL	645341	4200680	2.71E-08	25YrCance	2.71E-08	0	0	0	0	0	0	0	0	0	0	0
449	ALL	645441	4200680	3.80E-08	25YrCance	3.80E-08	0	0	0	0	0	0	0	0	0	0	0
450	ALL	645541	4200680	5.83E-08	25YrCance	5.83E-08	0	0	0	0	0	0	0	0	0	0	0
451	ALL	645641	4200680	1.06E-07	25YrCance	1.06E-07	0	0	0	0	0	0	0	0	0	0	0
452	ALL	645741	4200680	2.97E-07	25YrCance	2.97E-07	0	0	0	0	0	0	0	0	0	0	0
453	ALL	645841	4200680	5.35E-07	25YrCance	5.35E-07	0	0	0	0	0	0	0	0	0	0	0
454	ALL	645941	4200680	5.36E-07	25YrCance	5.36E-07	0	0	0	0	0	0	0	0	0	0	0
455	ALL	646041	4200680	3.11E-07	25YrCance	3.11E-07	0	0	0	0	0	0	0	0	0	0	0
456	ALL	646141	4200680	1.65E-07	25YrCance	1.65E-07	0	0	0	0	0	0	0	0	0	0	0
457	ALL	646241	4200680	9.90E-08	25YrCance	9.90E-08	0	0	0	0	0	0	0	0	0	0	0
458	ALL	646341	4200680	6.58E-08	25YrCance	6.58E-08	0	0	0	0	0	0	0	0	0	0	0
459	ALL	646441	4200680	4.71E-08	25YrCance	4.71E-08	0	0	0	0	0	0	0	0	0	0	0
460	ALL	646541	4200680	3.55E-08	25YrCance	3.55E-08	0	0	0	0	0	0	0	0	0	0	0
461	ALL	646641	4200680	2.79E-08	25YrCance	2.79E-08	0	0	0	0	0	0	0	0	0	0	0
462	ALL	646741	4200680	2.26E-08	25YrCance	2.26E-08	0	0	0	0	0	0	0	0	0	0	0
463	ALL	646841	4200680	1.87E-08	25YrCance	1.87E-08	0	0	0	0	0	0	0	0	0	0	0
464	ALL	646941	4200680	1.58E-08	25YrCance	1.58E-08	0	0	0	0	0	0	0	0	0	0	0
465	ALL	647041	4200680	1.35E-08	25YrCance	1.35E-08	0	0	0	0	0	0	0	0	0	0	0
466	ALL	647141	4200680	1.18E-08	25YrCance	1.18E-08	0	0	0	0	0	0	0	0	0	0	0
467	ALL	647241	4200680	1.03E-08	25YrCance	1.03E-08	0	0	0	0	0	0	0	0	0	0	0
468	ALL	647341	4200680	9.16E-09	25YrCance	9.16E-09	0	0	0	0	0	0	0	0	0	0	0
469	ALL	644341	4200780	5.20E-09	25YrCance	5.20E-09	0	0	0	0	0	0	0	0	0	0	0
470	ALL	644441	4200780	5.82E-09	25YrCance	5.82E-09	0	0	0	0	0	0	0	0	0	0	0
471	ALL	644541	4200780	6.57E-09	25YrCance	6.57E-09	0	0	0	0	0	0	0	0	0	0	0
472	ALL	644641	4200780	7.48E-09	25YrCance	7.48E-09	0	0	0	0	0	0	0	0	0	0	0
473	ALL	644741	4200780	8.62E-09	25YrCance	8.62E-09	0	0	0	0	0	0	0	0	0	0	0
474	ALL	644841	4200780	1.01E-08	25YrCance	1.01E-08	0	0	0	0	0	0	0	0	0	0	0
475	ALL	644941	4200780	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
476	ALL	645041	4200780	1.45E-08	25YrCance	1.45E-08	0	0	0	0	0	0	0	0	0	0	0

477	ALL	645141	4200780	1.81E-08	25YrCance	1.81E-08	0	0	0	0	0	0	0	0	0	0	0
478	ALL	645241	4200780	2.34E-08	25YrCance	2.34E-08	0	0	0	0	0	0	0	0	0	0	0
479	ALL	645341	4200780	3.16E-08	25YrCance	3.16E-08	0	0	0	0	0	0	0	0	0	0	0
480	ALL	645441	4200780	4.60E-08	25YrCance	4.60E-08	0	0	0	0	0	0	0	0	0	0	0
481	ALL	645541	4200780	7.57E-08	25YrCance	7.57E-08	0	0	0	0	0	0	0	0	0	0	0
482	ALL	645641	4200780	1.63E-07	25YrCance	1.63E-07	0	0	0	0	0	0	0	0	0	0	0
483	ALL	645741	4200780	5.05E-07	25YrCance	5.05E-07	0	0	0	0	0	0	0	0	0	0	0
484	ALL	646041	4200780	3.74E-07	25YrCance	3.74E-07	0	0	0	0	0	0	0	0	0	0	0
485	ALL	646141	4200780	1.64E-07	25YrCance	1.64E-07	0	0	0	0	0	0	0	0	0	0	0
486	ALL	646241	4200780	9.39E-08	25YrCance	9.39E-08	0	0	0	0	0	0	0	0	0	0	0
487	ALL	646341	4200780	6.17E-08	25YrCance	6.17E-08	0	0	0	0	0	0	0	0	0	0	0
488	ALL	646441	4200780	4.42E-08	25YrCance	4.42E-08	0	0	0	0	0	0	0	0	0	0	0
489	ALL	646541	4200780	3.34E-08	25YrCance	3.34E-08	0	0	0	0	0	0	0	0	0	0	0
490	ALL	646641	4200780	2.63E-08	25YrCance	2.63E-08	0	0	0	0	0	0	0	0	0	0	0
491	ALL	646741	4200780	2.14E-08	25YrCance	2.14E-08	0	0	0	0	0	0	0	0	0	0	0
492	ALL	646841	4200780	1.78E-08	25YrCance	1.78E-08	0	0	0	0	0	0	0	0	0	0	0
493	ALL	646941	4200780	1.51E-08	25YrCance	1.51E-08	0	0	0	0	0	0	0	0	0	0	0
494	ALL	647041	4200780	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0
495	ALL	647141	4200780	1.13E-08	25YrCance	1.13E-08	0	0	0	0	0	0	0	0	0	0	0
496	ALL	647241	4200780	9.94E-09	25YrCance	9.94E-09	0	0	0	0	0	0	0	0	0	0	0
497	ALL	647341	4200780	8.83E-09	25YrCance	8.83E-09	0	0	0	0	0	0	0	0	0	0	0
498	ALL	644341	4200880	5.35E-09	25YrCance	5.35E-09	0	0	0	0	0	0	0	0	0	0	0
499	ALL	644441	4200880	5.99E-09	25YrCance	5.99E-09	0	0	0	0	0	0	0	0	0	0	0
500	ALL	644541	4200880	6.77E-09	25YrCance	6.77E-09	0	0	0	0	0	0	0	0	0	0	0
501	ALL	644641	4200880	7.73E-09	25YrCance	7.73E-09	0	0	0	0	0	0	0	0	0	0	0
502	ALL	644741	4200880	8.92E-09	25YrCance	8.92E-09	0	0	0	0	0	0	0	0	0	0	0
503	ALL	644841	4200880	1.04E-08	25YrCance	1.04E-08	0	0	0	0	0	0	0	0	0	0	0
504	ALL	644941	4200880	1.24E-08	25YrCance	1.24E-08	0	0	0	0	0	0	0	0	0	0	0
505	ALL	645041	4200880	1.51E-08	25YrCance	1.51E-08	0	0	0	0	0	0	0	0	0	0	0
506	ALL	645141	4200880	1.88E-08	25YrCance	1.88E-08	0	0	0	0	0	0	0	0	0	0	0
507	ALL	645241	4200880	2.43E-08	25YrCance	2.43E-08	0	0	0	0	0	0	0	0	0	0	0
508	ALL	645341	4200880	3.28E-08	25YrCance	3.28E-08	0	0	0	0	0	0	0	0	0	0	0
509	ALL	645441	4200880	4.71E-08	25YrCance	4.71E-08	0	0	0	0	0	0	0	0	0	0	0
510	ALL	645541	4200880	7.40E-08	25YrCance	7.40E-08	0	0	0	0	0	0	0	0	0	0	0
511	ALL	645641	4200880	1.28E-07	25YrCance	1.28E-07	0	0	0	0	0	0	0	0	0	0	0
512	ALL	645741	4200880	2.43E-07	25YrCance	2.43E-07	0	0	0	0	0	0	0	0	0	0	0
513	ALL	645841	4200880	4.62E-07	25YrCance	4.62E-07	0	0	0	0	0	0	0	0	0	0	0
514	ALL	645941	4200880	4.65E-07	25YrCance	4.65E-07	0	0	0	0	0	0	0	0	0	0	0
515	ALL	646041	4200880	1.88E-07	25YrCance	1.88E-07	0	0	0	0	0	0	0	0	0	0	0
516	ALL	646141	4200880	1.06E-07	25YrCance	1.06E-07	0	0	0	0	0	0	0	0	0	0	0
517	ALL	646241	4200880	6.91E-08	25YrCance	6.91E-08	0	0	0	0	0	0	0	0	0	0	0
518	ALL	646341	4200880	4.91E-08	25YrCance	4.91E-08	0	0	0	0	0	0	0	0	0	0	0
519	ALL	646441	4200880	3.69E-08	25YrCance	3.69E-08	0	0	0	0	0	0	0	0	0	0	0
520	ALL	646541	4200880	2.88E-08	25YrCance	2.88E-08	0	0	0	0	0	0	0	0	0	0	0
521	ALL	646641	4200880	2.33E-08	25YrCance	2.33E-08	0	0	0	0	0	0	0	0	0	0	0
522	ALL	646741	4200880	1.92E-08	25YrCance	1.92E-08	0	0	0	0	0	0	0	0	0	0	0
523	ALL	646841	4200880	1.62E-08	25YrCance	1.62E-08	0	0	0	0	0	0	0	0	0	0	0
524	ALL	646941	4200880	1.39E-08	25YrCance	1.39E-08	0	0	0	0	0	0	0	0	0	0	0

525	ALL	647041	4200880	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
526	ALL	647141	4200880	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
527	ALL	647241	4200880	9.34E-09	25YrCance	9.34E-09	0	0	0	0	0	0	0	0	0	0	0
528	ALL	647341	4200880	8.35E-09	25YrCance	8.35E-09	0	0	0	0	0	0	0	0	0	0	0
529	ALL	644341	4200980	5.38E-09	25YrCance	5.38E-09	0	0	0	0	0	0	0	0	0	0	0
530	ALL	644441	4200980	6.02E-09	25YrCance	6.02E-09	0	0	0	0	0	0	0	0	0	0	0
531	ALL	644541	4200980	6.79E-09	25YrCance	6.79E-09	0	0	0	0	0	0	0	0	0	0	0
532	ALL	644641	4200980	7.73E-09	25YrCance	7.73E-09	0	0	0	0	0	0	0	0	0	0	0
533	ALL	644741	4200980	8.90E-09	25YrCance	8.90E-09	0	0	0	0	0	0	0	0	0	0	0
534	ALL	644841	4200980	1.04E-08	25YrCance	1.04E-08	0	0	0	0	0	0	0	0	0	0	0
535	ALL	644941	4200980	1.23E-08	25YrCance	1.23E-08	0	0	0	0	0	0	0	0	0	0	0
536	ALL	645041	4200980	1.48E-08	25YrCance	1.48E-08	0	0	0	0	0	0	0	0	0	0	0
537	ALL	645141	4200980	1.83E-08	25YrCance	1.83E-08	0	0	0	0	0	0	0	0	0	0	0
538	ALL	645241	4200980	2.32E-08	25YrCance	2.32E-08	0	0	0	0	0	0	0	0	0	0	0
539	ALL	645341	4200980	3.04E-08	25YrCance	3.04E-08	0	0	0	0	0	0	0	0	0	0	0
540	ALL	645441	4200980	4.16E-08	25YrCance	4.16E-08	0	0	0	0	0	0	0	0	0	0	0
541	ALL	645541	4200980	5.92E-08	25YrCance	5.92E-08	0	0	0	0	0	0	0	0	0	0	0
542	ALL	645641	4200980	8.40E-08	25YrCance	8.40E-08	0	0	0	0	0	0	0	0	0	0	0
543	ALL	645741	4200980	1.10E-07	25YrCance	1.10E-07	0	0	0	0	0	0	0	0	0	0	0
544	ALL	645841	4200980	1.09E-07	25YrCance	1.09E-07	0	0	0	0	0	0	0	0	0	0	0
545	ALL	645941	4200980	7.45E-08	25YrCance	7.45E-08	0	0	0	0	0	0	0	0	0	0	0
546	ALL	646041	4200980	6.01E-08	25YrCance	6.01E-08	0	0	0	0	0	0	0	0	0	0	0
547	ALL	646141	4200980	5.01E-08	25YrCance	5.01E-08	0	0	0	0	0	0	0	0	0	0	0
548	ALL	646241	4200980	4.08E-08	25YrCance	4.08E-08	0	0	0	0	0	0	0	0	0	0	0
549	ALL	646341	4200980	3.32E-08	25YrCance	3.32E-08	0	0	0	0	0	0	0	0	0	0	0
550	ALL	646441	4200980	2.73E-08	25YrCance	2.73E-08	0	0	0	0	0	0	0	0	0	0	0
551	ALL	646541	4200980	2.26E-08	25YrCance	2.26E-08	0	0	0	0	0	0	0	0	0	0	0
552	ALL	646641	4200980	1.91E-08	25YrCance	1.91E-08	0	0	0	0	0	0	0	0	0	0	0
553	ALL	646741	4200980	1.63E-08	25YrCance	1.63E-08	0	0	0	0	0	0	0	0	0	0	0
554	ALL	646841	4200980	1.40E-08	25YrCance	1.40E-08	0	0	0	0	0	0	0	0	0	0	0
555	ALL	646941	4200980	1.22E-08	25YrCance	1.22E-08	0	0	0	0	0	0	0	0	0	0	0
556	ALL	647041	4200980	1.08E-08	25YrCance	1.08E-08	0	0	0	0	0	0	0	0	0	0	0
557	ALL	647141	4200980	9.57E-09	25YrCance	9.57E-09	0	0	0	0	0	0	0	0	0	0	0
558	ALL	647241	4200980	8.56E-09	25YrCance	8.56E-09	0	0	0	0	0	0	0	0	0	0	0
559	ALL	647341	4200980	7.71E-09	25YrCance	7.71E-09	0	0	0	0	0	0	0	0	0	0	0
560	ALL	644341	4201080	5.32E-09	25YrCance	5.32E-09	0	0	0	0	0	0	0	0	0	0	0
561	ALL	644441	4201080	5.93E-09	25YrCance	5.93E-09	0	0	0	0	0	0	0	0	0	0	0
562	ALL	644541	4201080	6.67E-09	25YrCance	6.67E-09	0	0	0	0	0	0	0	0	0	0	0
563	ALL	644641	4201080	7.56E-09	25YrCance	7.56E-09	0	0	0	0	0	0	0	0	0	0	0
564	ALL	644741	4201080	8.66E-09	25YrCance	8.66E-09	0	0	0	0	0	0	0	0	0	0	0
565	ALL	644841	4201080	1.00E-08	25YrCance	1.00E-08	0	0	0	0	0	0	0	0	0	0	0
566	ALL	644941	4201080	1.18E-08	25YrCance	1.18E-08	0	0	0	0	0	0	0	0	0	0	0
567	ALL	645041	4201080	1.40E-08	25YrCance	1.40E-08	0	0	0	0	0	0	0	0	0	0	0
568	ALL	645141	4201080	1.70E-08	25YrCance	1.70E-08	0	0	0	0	0	0	0	0	0	0	0
569	ALL	645241	4201080	2.10E-08	25YrCance	2.10E-08	0	0	0	0	0	0	0	0	0	0	0
570	ALL	645341	4201080	2.66E-08	25YrCance	2.66E-08	0	0	0	0	0	0	0	0	0	0	0
571	ALL	645441	4201080	3.42E-08	25YrCance	3.42E-08	0	0	0	0	0	0	0	0	0	0	0
572	ALL	645541	4201080	4.36E-08	25YrCance	4.36E-08	0	0	0	0	0	0	0	0	0	0	0

573	ALL	645641	4201080	5.20E-08	25YrCance	5.20E-08	0	0	0	0	0	0	0	0	0	0	0
574	ALL	645741	4201080	5.28E-08	25YrCance	5.28E-08	0	0	0	0	0	0	0	0	0	0	0
575	ALL	645841	4201080	4.34E-08	25YrCance	4.34E-08	0	0	0	0	0	0	0	0	0	0	0
576	ALL	645941	4201080	3.41E-08	25YrCance	3.41E-08	0	0	0	0	0	0	0	0	0	0	0
577	ALL	646041	4201080	2.92E-08	25YrCance	2.92E-08	0	0	0	0	0	0	0	0	0	0	0
578	ALL	646141	4201080	2.62E-08	25YrCance	2.62E-08	0	0	0	0	0	0	0	0	0	0	0
579	ALL	646241	4201080	2.36E-08	25YrCance	2.36E-08	0	0	0	0	0	0	0	0	0	0	0
580	ALL	646341	4201080	2.11E-08	25YrCance	2.11E-08	0	0	0	0	0	0	0	0	0	0	0
581	ALL	646441	4201080	1.88E-08	25YrCance	1.88E-08	0	0	0	0	0	0	0	0	0	0	0
582	ALL	646541	4201080	1.66E-08	25YrCance	1.66E-08	0	0	0	0	0	0	0	0	0	0	0
583	ALL	646641	4201080	1.47E-08	25YrCance	1.47E-08	0	0	0	0	0	0	0	0	0	0	0
584	ALL	646741	4201080	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0
585	ALL	646841	4201080	1.16E-08	25YrCance	1.16E-08	0	0	0	0	0	0	0	0	0	0	0
586	ALL	646941	4201080	1.04E-08	25YrCance	1.04E-08	0	0	0	0	0	0	0	0	0	0	0
587	ALL	647041	4201080	9.32E-09	25YrCance	9.32E-09	0	0	0	0	0	0	0	0	0	0	0
588	ALL	647141	4201080	8.41E-09	25YrCance	8.41E-09	0	0	0	0	0	0	0	0	0	0	0
589	ALL	647241	4201080	7.63E-09	25YrCance	7.63E-09	0	0	0	0	0	0	0	0	0	0	0
590	ALL	647341	4201080	6.95E-09	25YrCance	6.95E-09	0	0	0	0	0	0	0	0	0	0	0
591	ALL	644341	4201180	5.19E-09	25YrCance	5.19E-09	0	0	0	0	0	0	0	0	0	0	0
592	ALL	644441	4201180	5.77E-09	25YrCance	5.77E-09	0	0	0	0	0	0	0	0	0	0	0
593	ALL	644541	4201180	6.46E-09	25YrCance	6.46E-09	0	0	0	0	0	0	0	0	0	0	0
594	ALL	644641	4201180	7.29E-09	25YrCance	7.29E-09	0	0	0	0	0	0	0	0	0	0	0
595	ALL	644741	4201180	8.29E-09	25YrCance	8.29E-09	0	0	0	0	0	0	0	0	0	0	0
596	ALL	644841	4201180	9.52E-09	25YrCance	9.52E-09	0	0	0	0	0	0	0	0	0	0	0
597	ALL	644941	4201180	1.10E-08	25YrCance	1.10E-08	0	0	0	0	0	0	0	0	0	0	0
598	ALL	645041	4201180	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0
599	ALL	645141	4201180	1.54E-08	25YrCance	1.54E-08	0	0	0	0	0	0	0	0	0	0	0
600	ALL	645241	4201180	1.86E-08	25YrCance	1.86E-08	0	0	0	0	0	0	0	0	0	0	0
601	ALL	645341	4201180	2.25E-08	25YrCance	2.25E-08	0	0	0	0	0	0	0	0	0	0	0
602	ALL	645441	4201180	2.70E-08	25YrCance	2.70E-08	0	0	0	0	0	0	0	0	0	0	0
603	ALL	645541	4201180	3.11E-08	25YrCance	3.11E-08	0	0	0	0	0	0	0	0	0	0	0
604	ALL	645641	4201180	3.25E-08	25YrCance	3.25E-08	0	0	0	0	0	0	0	0	0	0	0
605	ALL	645741	4201180	2.94E-08	25YrCance	2.94E-08	0	0	0	0	0	0	0	0	0	0	0
606	ALL	645841	4201180	2.38E-08	25YrCance	2.38E-08	0	0	0	0	0	0	0	0	0	0	0
607	ALL	645941	4201180	2.03E-08	25YrCance	2.03E-08	0	0	0	0	0	0	0	0	0	0	0
608	ALL	646041	4201180	1.82E-08	25YrCance	1.82E-08	0	0	0	0	0	0	0	0	0	0	0
609	ALL	646141	4201180	1.65E-08	25YrCance	1.65E-08	0	0	0	0	0	0	0	0	0	0	0
610	ALL	646241	4201180	1.52E-08	25YrCance	1.52E-08	0	0	0	0	0	0	0	0	0	0	0
611	ALL	646341	4201180	1.41E-08	25YrCance	1.41E-08	0	0	0	0	0	0	0	0	0	0	0
612	ALL	646441	4201180	1.30E-08	25YrCance	1.30E-08	0	0	0	0	0	0	0	0	0	0	0
613	ALL	646541	4201180	1.20E-08	25YrCance	1.20E-08	0	0	0	0	0	0	0	0	0	0	0
614	ALL	646641	4201180	1.11E-08	25YrCance	1.11E-08	0	0	0	0	0	0	0	0	0	0	0
615	ALL	646741	4201180	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
616	ALL	646841	4201180	9.33E-09	25YrCance	9.33E-09	0	0	0	0	0	0	0	0	0	0	0
617	ALL	646941	4201180	8.56E-09	25YrCance	8.56E-09	0	0	0	0	0	0	0	0	0	0	0
618	ALL	647041	4201180	7.85E-09	25YrCance	7.85E-09	0	0	0	0	0	0	0	0	0	0	0
619	ALL	647141	4201180	7.21E-09	25YrCance	7.21E-09	0	0	0	0	0	0	0	0	0	0	0
620	ALL	647241	4201180	6.64E-09	25YrCance	6.64E-09	0	0	0	0	0	0	0	0	0	0	0

621	ALL	647341	4201180	6.13E-09	25YrCance	6.13E-09	0	0	0	0	0	0	0	0	0	0	0
622	ALL	644341	4201280	5.03E-09	25YrCance	5.03E-09	0	0	0	0	0	0	0	0	0	0	0
623	ALL	644441	4201280	5.57E-09	25YrCance	5.57E-09	0	0	0	0	0	0	0	0	0	0	0
624	ALL	644541	4201280	6.20E-09	25YrCance	6.20E-09	0	0	0	0	0	0	0	0	0	0	0
625	ALL	644641	4201280	6.95E-09	25YrCance	6.95E-09	0	0	0	0	0	0	0	0	0	0	0
626	ALL	644741	4201280	7.85E-09	25YrCance	7.85E-09	0	0	0	0	0	0	0	0	0	0	0
627	ALL	644841	4201280	8.93E-09	25YrCance	8.93E-09	0	0	0	0	0	0	0	0	0	0	0
628	ALL	644941	4201280	1.02E-08	25YrCance	1.02E-08	0	0	0	0	0	0	0	0	0	0	0
629	ALL	645041	4201280	1.18E-08	25YrCance	1.18E-08	0	0	0	0	0	0	0	0	0	0	0
630	ALL	645141	4201280	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
631	ALL	645241	4201280	1.61E-08	25YrCance	1.61E-08	0	0	0	0	0	0	0	0	0	0	0
632	ALL	645341	4201280	1.87E-08	25YrCance	1.87E-08	0	0	0	0	0	0	0	0	0	0	0
633	ALL	645441	4201280	2.09E-08	25YrCance	2.09E-08	0	0	0	0	0	0	0	0	0	0	0
634	ALL	645541	4201280	2.20E-08	25YrCance	2.20E-08	0	0	0	0	0	0	0	0	0	0	0
635	ALL	645641	4201280	2.11E-08	25YrCance	2.11E-08	0	0	0	0	0	0	0	0	0	0	0
636	ALL	645741	4201280	1.84E-08	25YrCance	1.84E-08	0	0	0	0	0	0	0	0	0	0	0
637	ALL	645841	4201280	1.55E-08	25YrCance	1.55E-08	0	0	0	0	0	0	0	0	0	0	0
638	ALL	645941	4201280	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
639	ALL	646041	4201280	1.25E-08	25YrCance	1.25E-08	0	0	0	0	0	0	0	0	0	0	0
640	ALL	646141	4201280	1.16E-08	25YrCance	1.16E-08	0	0	0	0	0	0	0	0	0	0	0
641	ALL	646241	4201280	1.08E-08	25YrCance	1.08E-08	0	0	0	0	0	0	0	0	0	0	0
642	ALL	646341	4201280	1.01E-08	25YrCance	1.01E-08	0	0	0	0	0	0	0	0	0	0	0
643	ALL	646441	4201280	9.51E-09	25YrCance	9.51E-09	0	0	0	0	0	0	0	0	0	0	0
644	ALL	646541	4201280	8.96E-09	25YrCance	8.96E-09	0	0	0	0	0	0	0	0	0	0	0
645	ALL	646641	4201280	8.44E-09	25YrCance	8.44E-09	0	0	0	0	0	0	0	0	0	0	0
646	ALL	646741	4201280	7.93E-09	25YrCance	7.93E-09	0	0	0	0	0	0	0	0	0	0	0
647	ALL	646841	4201280	7.44E-09	25YrCance	7.44E-09	0	0	0	0	0	0	0	0	0	0	0
648	ALL	646941	4201280	6.97E-09	25YrCance	6.97E-09	0	0	0	0	0	0	0	0	0	0	0
649	ALL	647041	4201280	6.51E-09	25YrCance	6.51E-09	0	0	0	0	0	0	0	0	0	0	0
650	ALL	647141	4201280	6.09E-09	25YrCance	6.09E-09	0	0	0	0	0	0	0	0	0	0	0
651	ALL	647241	4201280	5.69E-09	25YrCance	5.69E-09	0	0	0	0	0	0	0	0	0	0	0
652	ALL	647341	4201280	5.32E-09	25YrCance	5.32E-09	0	0	0	0	0	0	0	0	0	0	0
653	ALL	644341	4201380	4.84E-09	25YrCance	4.84E-09	0	0	0	0	0	0	0	0	0	0	0
654	ALL	644441	4201380	5.34E-09	25YrCance	5.34E-09	0	0	0	0	0	0	0	0	0	0	0
655	ALL	644541	4201380	5.91E-09	25YrCance	5.91E-09	0	0	0	0	0	0	0	0	0	0	0
656	ALL	644641	4201380	6.59E-09	25YrCance	6.59E-09	0	0	0	0	0	0	0	0	0	0	0
657	ALL	644741	4201380	7.38E-09	25YrCance	7.38E-09	0	0	0	0	0	0	0	0	0	0	0
658	ALL	644841	4201380	8.31E-09	25YrCance	8.31E-09	0	0	0	0	0	0	0	0	0	0	0
659	ALL	644941	4201380	9.42E-09	25YrCance	9.42E-09	0	0	0	0	0	0	0	0	0	0	0
660	ALL	645041	4201380	1.07E-08	25YrCance	1.07E-08	0	0	0	0	0	0	0	0	0	0	0
661	ALL	645141	4201380	1.22E-08	25YrCance	1.22E-08	0	0	0	0	0	0	0	0	0	0	0
662	ALL	645241	4201380	1.38E-08	25YrCance	1.38E-08	0	0	0	0	0	0	0	0	0	0	0
663	ALL	645341	4201380	1.52E-08	25YrCance	1.52E-08	0	0	0	0	0	0	0	0	0	0	0
664	ALL	645441	4201380	1.60E-08	25YrCance	1.60E-08	0	0	0	0	0	0	0	0	0	0	0
665	ALL	645541	4201380	1.59E-08	25YrCance	1.59E-08	0	0	0	0	0	0	0	0	0	0	0
666	ALL	645641	4201380	1.45E-08	25YrCance	1.45E-08	0	0	0	0	0	0	0	0	0	0	0
667	ALL	645741	4201380	1.26E-08	25YrCance	1.26E-08	0	0	0	0	0	0	0	0	0	0	0
668	ALL	645841	4201380	1.10E-08	25YrCance	1.10E-08	0	0	0	0	0	0	0	0	0	0	0

669	ALL	645941	4201380	1.00E-08	25YrCance	1.00E-08	0	0	0	0	0	0	0	0	0	0	0
670	ALL	646041	4201380	9.33E-09	25YrCance	9.33E-09	0	0	0	0	0	0	0	0	0	0	0
671	ALL	646141	4201380	8.70E-09	25YrCance	8.70E-09	0	0	0	0	0	0	0	0	0	0	0
672	ALL	646241	4201380	8.19E-09	25YrCance	8.19E-09	0	0	0	0	0	0	0	0	0	0	0
673	ALL	646341	4201380	7.72E-09	25YrCance	7.72E-09	0	0	0	0	0	0	0	0	0	0	0
674	ALL	646441	4201380	7.30E-09	25YrCance	7.30E-09	0	0	0	0	0	0	0	0	0	0	0
675	ALL	646541	4201380	6.93E-09	25YrCance	6.93E-09	0	0	0	0	0	0	0	0	0	0	0
676	ALL	646641	4201380	6.60E-09	25YrCance	6.60E-09	0	0	0	0	0	0	0	0	0	0	0
677	ALL	646741	4201380	6.29E-09	25YrCance	6.29E-09	0	0	0	0	0	0	0	0	0	0	0
678	ALL	646841	4201380	5.98E-09	25YrCance	5.98E-09	0	0	0	0	0	0	0	0	0	0	0
679	ALL	646941	4201380	5.69E-09	25YrCance	5.69E-09	0	0	0	0	0	0	0	0	0	0	0
680	ALL	647041	4201380	5.40E-09	25YrCance	5.40E-09	0	0	0	0	0	0	0	0	0	0	0
681	ALL	647141	4201380	5.12E-09	25YrCance	5.12E-09	0	0	0	0	0	0	0	0	0	0	0
682	ALL	647241	4201380	4.85E-09	25YrCance	4.85E-09	0	0	0	0	0	0	0	0	0	0	0
683	ALL	647341	4201380	4.59E-09	25YrCance	4.59E-09	0	0	0	0	0	0	0	0	0	0	0
684	ALL	644341	4201480	4.65E-09	25YrCance	4.65E-09	0	0	0	0	0	0	0	0	0	0	0
685	ALL	644441	4201480	5.10E-09	25YrCance	5.10E-09	0	0	0	0	0	0	0	0	0	0	0
686	ALL	644541	4201480	5.61E-09	25YrCance	5.61E-09	0	0	0	0	0	0	0	0	0	0	0
687	ALL	644641	4201480	6.21E-09	25YrCance	6.21E-09	0	0	0	0	0	0	0	0	0	0	0
688	ALL	644741	4201480	6.90E-09	25YrCance	6.90E-09	0	0	0	0	0	0	0	0	0	0	0
689	ALL	644841	4201480	7.70E-09	25YrCance	7.70E-09	0	0	0	0	0	0	0	0	0	0	0
690	ALL	644941	4201480	8.62E-09	25YrCance	8.62E-09	0	0	0	0	0	0	0	0	0	0	0
691	ALL	645041	4201480	9.63E-09	25YrCance	9.63E-09	0	0	0	0	0	0	0	0	0	0	0
692	ALL	645141	4201480	1.07E-08	25YrCance	1.07E-08	0	0	0	0	0	0	0	0	0	0	0
693	ALL	645241	4201480	1.16E-08	25YrCance	1.16E-08	0	0	0	0	0	0	0	0	0	0	0
694	ALL	645341	4201480	1.22E-08	25YrCance	1.22E-08	0	0	0	0	0	0	0	0	0	0	0
695	ALL	645441	4201480	1.23E-08	25YrCance	1.23E-08	0	0	0	0	0	0	0	0	0	0	0
696	ALL	645541	4201480	1.17E-08	25YrCance	1.17E-08	0	0	0	0	0	0	0	0	0	0	0
697	ALL	645641	4201480	1.06E-08	25YrCance	1.06E-08	0	0	0	0	0	0	0	0	0	0	0
698	ALL	645741	4201480	9.27E-09	25YrCance	9.27E-09	0	0	0	0	0	0	0	0	0	0	0
699	ALL	645841	4201480	8.29E-09	25YrCance	8.29E-09	0	0	0	0	0	0	0	0	0	0	0
700	ALL	645941	4201480	7.69E-09	25YrCance	7.69E-09	0	0	0	0	0	0	0	0	0	0	0
701	ALL	646041	4201480	7.25E-09	25YrCance	7.25E-09	0	0	0	0	0	0	0	0	0	0	0
702	ALL	646141	4201480	6.82E-09	25YrCance	6.82E-09	0	0	0	0	0	0	0	0	0	0	0
703	ALL	646241	4201480	6.47E-09	25YrCance	6.47E-09	0	0	0	0	0	0	0	0	0	0	0
704	ALL	646341	4201480	6.13E-09	25YrCance	6.13E-09	0	0	0	0	0	0	0	0	0	0	0
705	ALL	646441	4201480	5.83E-09	25YrCance	5.83E-09	0	0	0	0	0	0	0	0	0	0	0
706	ALL	646541	4201480	5.57E-09	25YrCance	5.57E-09	0	0	0	0	0	0	0	0	0	0	0
707	ALL	646641	4201480	5.33E-09	25YrCance	5.33E-09	0	0	0	0	0	0	0	0	0	0	0
708	ALL	646741	4201480	5.11E-09	25YrCance	5.11E-09	0	0	0	0	0	0	0	0	0	0	0
709	ALL	646841	4201480	4.90E-09	25YrCance	4.90E-09	0	0	0	0	0	0	0	0	0	0	0
710	ALL	646941	4201480	4.70E-09	25YrCance	4.70E-09	0	0	0	0	0	0	0	0	0	0	0
711	ALL	647041	4201480	4.50E-09	25YrCance	4.50E-09	0	0	0	0	0	0	0	0	0	0	0
712	ALL	647141	4201480	4.31E-09	25YrCance	4.31E-09	0	0	0	0	0	0	0	0	0	0	0
713	ALL	647241	4201480	4.13E-09	25YrCance	4.13E-09	0	0	0	0	0	0	0	0	0	0	0
714	ALL	647341	4201480	3.95E-09	25YrCance	3.95E-09	0	0	0	0	0	0	0	0	0	0	0
715	ALL	644341	4201580	4.44E-09	25YrCance	4.44E-09	0	0	0	0	0	0	0	0	0	0	0
716	ALL	644441	4201580	4.85E-09	25YrCance	4.85E-09	0	0	0	0	0	0	0	0	0	0	0

717	ALL	644541	4201580	5.31E-09	25YrCance	5.31E-09	0	0	0	0	0	0	0	0	0	0	0
718	ALL	644641	4201580	5.84E-09	25YrCance	5.84E-09	0	0	0	0	0	0	0	0	0	0	0
719	ALL	644741	4201580	6.44E-09	25YrCance	6.44E-09	0	0	0	0	0	0	0	0	0	0	0
720	ALL	644841	4201580	7.11E-09	25YrCance	7.11E-09	0	0	0	0	0	0	0	0	0	0	0
721	ALL	644941	4201580	7.83E-09	25YrCance	7.83E-09	0	0	0	0	0	0	0	0	0	0	0
722	ALL	645041	4201580	8.56E-09	25YrCance	8.56E-09	0	0	0	0	0	0	0	0	0	0	0
723	ALL	645141	4201580	9.22E-09	25YrCance	9.22E-09	0	0	0	0	0	0	0	0	0	0	0
724	ALL	645241	4201580	9.69E-09	25YrCance	9.69E-09	0	0	0	0	0	0	0	0	0	0	0
725	ALL	645341	4201580	9.84E-09	25YrCance	9.84E-09	0	0	0	0	0	0	0	0	0	0	0
726	ALL	645441	4201580	9.59E-09	25YrCance	9.59E-09	0	0	0	0	0	0	0	0	0	0	0
727	ALL	645541	4201580	8.92E-09	25YrCance	8.92E-09	0	0	0	0	0	0	0	0	0	0	0
728	ALL	645641	4201580	8.01E-09	25YrCance	8.01E-09	0	0	0	0	0	0	0	0	0	0	0
729	ALL	645741	4201580	7.14E-09	25YrCance	7.14E-09	0	0	0	0	0	0	0	0	0	0	0
730	ALL	645841	4201580	6.52E-09	25YrCance	6.52E-09	0	0	0	0	0	0	0	0	0	0	0
731	ALL	645941	4201580	6.12E-09	25YrCance	6.12E-09	0	0	0	0	0	0	0	0	0	0	0
732	ALL	646041	4201580	5.82E-09	25YrCance	5.82E-09	0	0	0	0	0	0	0	0	0	0	0
733	ALL	646141	4201580	5.52E-09	25YrCance	5.52E-09	0	0	0	0	0	0	0	0	0	0	0
734	ALL	646241	4201580	5.26E-09	25YrCance	5.26E-09	0	0	0	0	0	0	0	0	0	0	0
735	ALL	646341	4201580	5.02E-09	25YrCance	5.02E-09	0	0	0	0	0	0	0	0	0	0	0
736	ALL	646441	4201580	4.80E-09	25YrCance	4.80E-09	0	0	0	0	0	0	0	0	0	0	0
737	ALL	646541	4201580	4.60E-09	25YrCance	4.60E-09	0	0	0	0	0	0	0	0	0	0	0
738	ALL	646641	4201580	4.41E-09	25YrCance	4.41E-09	0	0	0	0	0	0	0	0	0	0	0
739	ALL	646741	4201580	4.25E-09	25YrCance	4.25E-09	0	0	0	0	0	0	0	0	0	0	0
740	ALL	646841	4201580	4.09E-09	25YrCance	4.09E-09	0	0	0	0	0	0	0	0	0	0	0
741	ALL	646941	4201580	3.94E-09	25YrCance	3.94E-09	0	0	0	0	0	0	0	0	0	0	0
742	ALL	647041	4201580	3.80E-09	25YrCance	3.80E-09	0	0	0	0	0	0	0	0	0	0	0
743	ALL	647141	4201580	3.67E-09	25YrCance	3.67E-09	0	0	0	0	0	0	0	0	0	0	0
744	ALL	647241	4201580	3.53E-09	25YrCance	3.53E-09	0	0	0	0	0	0	0	0	0	0	0
745	ALL	647341	4201580	3.40E-09	25YrCance	3.40E-09	0	0	0	0	0	0	0	0	0	0	0
746	ALL	644341	4201680	4.23E-09	25YrCance	4.23E-09	0	0	0	0	0	0	0	0	0	0	0
747	ALL	644441	4201680	4.60E-09	25YrCance	4.60E-09	0	0	0	0	0	0	0	0	0	0	0
748	ALL	644541	4201680	5.01E-09	25YrCance	5.01E-09	0	0	0	0	0	0	0	0	0	0	0
749	ALL	644641	4201680	5.47E-09	25YrCance	5.47E-09	0	0	0	0	0	0	0	0	0	0	0
750	ALL	644741	4201680	5.98E-09	25YrCance	5.98E-09	0	0	0	0	0	0	0	0	0	0	0
751	ALL	644841	4201680	6.52E-09	25YrCance	6.52E-09	0	0	0	0	0	0	0	0	0	0	0
752	ALL	644941	4201680	7.05E-09	25YrCance	7.05E-09	0	0	0	0	0	0	0	0	0	0	0
753	ALL	645041	4201680	7.54E-09	25YrCance	7.54E-09	0	0	0	0	0	0	0	0	0	0	0
754	ALL	645141	4201680	7.90E-09	25YrCance	7.90E-09	0	0	0	0	0	0	0	0	0	0	0
755	ALL	645241	4201680	8.06E-09	25YrCance	8.06E-09	0	0	0	0	0	0	0	0	0	0	0
756	ALL	645341	4201680	7.97E-09	25YrCance	7.97E-09	0	0	0	0	0	0	0	0	0	0	0
757	ALL	645441	4201680	7.59E-09	25YrCance	7.59E-09	0	0	0	0	0	0	0	0	0	0	0
758	ALL	645541	4201680	6.99E-09	25YrCance	6.99E-09	0	0	0	0	0	0	0	0	0	0	0
759	ALL	645641	4201680	6.31E-09	25YrCance	6.31E-09	0	0	0	0	0	0	0	0	0	0	0
760	ALL	645741	4201680	5.70E-09	25YrCance	5.70E-09	0	0	0	0	0	0	0	0	0	0	0
761	ALL	645841	4201680	5.28E-09	25YrCance	5.28E-09	0	0	0	0	0	0	0	0	0	0	0
762	ALL	645941	4201680	5.01E-09	25YrCance	5.01E-09	0	0	0	0	0	0	0	0	0	0	0
763	ALL	646041	4201680	4.79E-09	25YrCance	4.79E-09	0	0	0	0	0	0	0	0	0	0	0
764	ALL	646141	4201680	4.58E-09	25YrCance	4.58E-09	0	0	0	0	0	0	0	0	0	0	0

765	ALL	646241	4201680	4.39E-09	25YrCance	4.39E-09	0	0	0	0	0	0	0	0	0	0	0
766	ALL	646341	4201680	4.20E-09	25YrCance	4.20E-09	0	0	0	0	0	0	0	0	0	0	0
767	ALL	646441	4201680	4.04E-09	25YrCance	4.04E-09	0	0	0	0	0	0	0	0	0	0	0
768	ALL	646541	4201680	3.88E-09	25YrCance	3.88E-09	0	0	0	0	0	0	0	0	0	0	0
769	ALL	646641	4201680	3.73E-09	25YrCance	3.73E-09	0	0	0	0	0	0	0	0	0	0	0
770	ALL	646741	4201680	3.60E-09	25YrCance	3.60E-09	0	0	0	0	0	0	0	0	0	0	0
771	ALL	646841	4201680	3.48E-09	25YrCance	3.48E-09	0	0	0	0	0	0	0	0	0	0	0
772	ALL	646941	4201680	3.37E-09	25YrCance	3.37E-09	0	0	0	0	0	0	0	0	0	0	0
773	ALL	647041	4201680	3.25E-09	25YrCance	3.25E-09	0	0	0	0	0	0	0	0	0	0	0
774	ALL	647141	4201680	3.15E-09	25YrCance	3.15E-09	0	0	0	0	0	0	0	0	0	0	0
775	ALL	647241	4201680	3.05E-09	25YrCance	3.05E-09	0	0	0	0	0	0	0	0	0	0	0
776	ALL	647341	4201680	2.96E-09	25YrCance	2.96E-09	0	0	0	0	0	0	0	0	0	0	0
777	ALL	644341	4201780	4.03E-09	25YrCance	4.03E-09	0	0	0	0	0	0	0	0	0	0	0
778	ALL	644441	4201780	4.36E-09	25YrCance	4.36E-09	0	0	0	0	0	0	0	0	0	0	0
779	ALL	644541	4201780	4.72E-09	25YrCance	4.72E-09	0	0	0	0	0	0	0	0	0	0	0
780	ALL	644641	4201780	5.12E-09	25YrCance	5.12E-09	0	0	0	0	0	0	0	0	0	0	0
781	ALL	644741	4201780	5.53E-09	25YrCance	5.53E-09	0	0	0	0	0	0	0	0	0	0	0
782	ALL	644841	4201780	5.93E-09	25YrCance	5.93E-09	0	0	0	0	0	0	0	0	0	0	0
783	ALL	644941	4201780	6.30E-09	25YrCance	6.30E-09	0	0	0	0	0	0	0	0	0	0	0
784	ALL	645041	4201780	6.58E-09	25YrCance	6.58E-09	0	0	0	0	0	0	0	0	0	0	0
785	ALL	645141	4201780	6.73E-09	25YrCance	6.73E-09	0	0	0	0	0	0	0	0	0	0	0
786	ALL	645241	4201780	6.71E-09	25YrCance	6.71E-09	0	0	0	0	0	0	0	0	0	0	0
787	ALL	645341	4201780	6.51E-09	25YrCance	6.51E-09	0	0	0	0	0	0	0	0	0	0	0
788	ALL	645441	4201780	6.13E-09	25YrCance	6.13E-09	0	0	0	0	0	0	0	0	0	0	0
789	ALL	645541	4201780	5.63E-09	25YrCance	5.63E-09	0	0	0	0	0	0	0	0	0	0	0
790	ALL	645641	4201780	5.11E-09	25YrCance	5.11E-09	0	0	0	0	0	0	0	0	0	0	0
791	ALL	645741	4201780	4.68E-09	25YrCance	4.68E-09	0	0	0	0	0	0	0	0	0	0	0
792	ALL	645841	4201780	4.38E-09	25YrCance	4.38E-09	0	0	0	0	0	0	0	0	0	0	0
793	ALL	645941	4201780	4.18E-09	25YrCance	4.18E-09	0	0	0	0	0	0	0	0	0	0	0
794	ALL	646041	4201780	4.02E-09	25YrCance	4.02E-09	0	0	0	0	0	0	0	0	0	0	0
795	ALL	646141	4201780	3.87E-09	25YrCance	3.87E-09	0	0	0	0	0	0	0	0	0	0	0
796	ALL	646241	4201780	3.73E-09	25YrCance	3.73E-09	0	0	0	0	0	0	0	0	0	0	0
797	ALL	646341	4201780	3.58E-09	25YrCance	3.58E-09	0	0	0	0	0	0	0	0	0	0	0
798	ALL	646441	4201780	3.45E-09	25YrCance	3.45E-09	0	0	0	0	0	0	0	0	0	0	0
799	ALL	646541	4201780	3.32E-09	25YrCance	3.32E-09	0	0	0	0	0	0	0	0	0	0	0
800	ALL	646641	4201780	3.21E-09	25YrCance	3.21E-09	0	0	0	0	0	0	0	0	0	0	0
801	ALL	646741	4201780	3.10E-09	25YrCance	3.10E-09	0	0	0	0	0	0	0	0	0	0	0
802	ALL	646841	4201780	3.00E-09	25YrCance	3.00E-09	0	0	0	0	0	0	0	0	0	0	0
803	ALL	646941	4201780	2.91E-09	25YrCance	2.91E-09	0	0	0	0	0	0	0	0	0	0	0
804	ALL	647041	4201780	2.83E-09	25YrCance	2.83E-09	0	0	0	0	0	0	0	0	0	0	0
805	ALL	647141	4201780	2.74E-09	25YrCance	2.74E-09	0	0	0	0	0	0	0	0	0	0	0
806	ALL	647241	4201780	2.66E-09	25YrCance	2.66E-09	0	0	0	0	0	0	0	0	0	0	0
807	ALL	647341	4201780	2.59E-09	25YrCance	2.59E-09	0	0	0	0	0	0	0	0	0	0	0
808	ALL	644341	4201880	3.84E-09	25YrCance	3.84E-09	0	0	0	0	0	0	0	0	0	0	0
809	ALL	644441	4201880	4.13E-09	25YrCance	4.13E-09	0	0	0	0	0	0	0	0	0	0	0
810	ALL	644541	4201880	4.44E-09	25YrCance	4.44E-09	0	0	0	0	0	0	0	0	0	0	0
811	ALL	644641	4201880	4.76E-09	25YrCance	4.76E-09	0	0	0	0	0	0	0	0	0	0	0
812	ALL	644741	4201880	5.07E-09	25YrCance	5.07E-09	0	0	0	0	0	0	0	0	0	0	0

813	ALL	644841	4201880	5.36E-09	25YrCance	5.36E-09	0	0	0	0	0	0	0	0	0	0	0
814	ALL	644941	4201880	5.58E-09	25YrCance	5.58E-09	0	0	0	0	0	0	0	0	0	0	0
815	ALL	645041	4201880	5.72E-09	25YrCance	5.72E-09	0	0	0	0	0	0	0	0	0	0	0
816	ALL	645141	4201880	5.74E-09	25YrCance	5.74E-09	0	0	0	0	0	0	0	0	0	0	0
817	ALL	645241	4201880	5.63E-09	25YrCance	5.63E-09	0	0	0	0	0	0	0	0	0	0	0
818	ALL	645341	4201880	5.39E-09	25YrCance	5.39E-09	0	0	0	0	0	0	0	0	0	0	0
819	ALL	645441	4201880	5.04E-09	25YrCance	5.04E-09	0	0	0	0	0	0	0	0	0	0	0
820	ALL	645541	4201880	4.63E-09	25YrCance	4.63E-09	0	0	0	0	0	0	0	0	0	0	0
821	ALL	645641	4201880	4.24E-09	25YrCance	4.24E-09	0	0	0	0	0	0	0	0	0	0	0
822	ALL	645741	4201880	3.92E-09	25YrCance	3.92E-09	0	0	0	0	0	0	0	0	0	0	0
823	ALL	645841	4201880	3.71E-09	25YrCance	3.71E-09	0	0	0	0	0	0	0	0	0	0	0
824	ALL	645941	4201880	3.56E-09	25YrCance	3.56E-09	0	0	0	0	0	0	0	0	0	0	0
825	ALL	646041	4201880	3.44E-09	25YrCance	3.44E-09	0	0	0	0	0	0	0	0	0	0	0
826	ALL	646141	4201880	3.33E-09	25YrCance	3.33E-09	0	0	0	0	0	0	0	0	0	0	0
827	ALL	646241	4201880	3.22E-09	25YrCance	3.22E-09	0	0	0	0	0	0	0	0	0	0	0
828	ALL	646341	4201880	3.10E-09	25YrCance	3.10E-09	0	0	0	0	0	0	0	0	0	0	0
829	ALL	646441	4201880	3.00E-09	25YrCance	3.00E-09	0	0	0	0	0	0	0	0	0	0	0
830	ALL	646541	4201880	2.90E-09	25YrCance	2.90E-09	0	0	0	0	0	0	0	0	0	0	0
831	ALL	646641	4201880	2.80E-09	25YrCance	2.80E-09	0	0	0	0	0	0	0	0	0	0	0
832	ALL	646741	4201880	2.71E-09	25YrCance	2.71E-09	0	0	0	0	0	0	0	0	0	0	0
833	ALL	646841	4201880	2.63E-09	25YrCance	2.63E-09	0	0	0	0	0	0	0	0	0	0	0
834	ALL	646941	4201880	2.55E-09	25YrCance	2.55E-09	0	0	0	0	0	0	0	0	0	0	0
835	ALL	647041	4201880	2.48E-09	25YrCance	2.48E-09	0	0	0	0	0	0	0	0	0	0	0
836	ALL	647141	4201880	2.42E-09	25YrCance	2.42E-09	0	0	0	0	0	0	0	0	0	0	0
837	ALL	647241	4201880	2.35E-09	25YrCance	2.35E-09	0	0	0	0	0	0	0	0	0	0	0
838	ALL	647341	4201880	2.29E-09	25YrCance	2.29E-09	0	0	0	0	0	0	0	0	0	0	0
839	ALL	644341	4201980	3.64E-09	25YrCance	3.64E-09	0	0	0	0	0	0	0	0	0	0	0
840	ALL	644441	4201980	3.90E-09	25YrCance	3.90E-09	0	0	0	0	0	0	0	0	0	0	0
841	ALL	644541	4201980	4.15E-09	25YrCance	4.15E-09	0	0	0	0	0	0	0	0	0	0	0
842	ALL	644641	4201980	4.40E-09	25YrCance	4.40E-09	0	0	0	0	0	0	0	0	0	0	0
843	ALL	644741	4201980	4.63E-09	25YrCance	4.63E-09	0	0	0	0	0	0	0	0	0	0	0
844	ALL	644841	4201980	4.81E-09	25YrCance	4.81E-09	0	0	0	0	0	0	0	0	0	0	0
845	ALL	644941	4201980	4.92E-09	25YrCance	4.92E-09	0	0	0	0	0	0	0	0	0	0	0
846	ALL	645041	4201980	4.96E-09	25YrCance	4.96E-09	0	0	0	0	0	0	0	0	0	0	0
847	ALL	645141	4201980	4.91E-09	25YrCance	4.91E-09	0	0	0	0	0	0	0	0	0	0	0
848	ALL	645241	4201980	4.75E-09	25YrCance	4.75E-09	0	0	0	0	0	0	0	0	0	0	0
849	ALL	645341	4201980	4.51E-09	25YrCance	4.51E-09	0	0	0	0	0	0	0	0	0	0	0
850	ALL	645441	4201980	4.21E-09	25YrCance	4.21E-09	0	0	0	0	0	0	0	0	0	0	0
851	ALL	645541	4201980	3.88E-09	25YrCance	3.88E-09	0	0	0	0	0	0	0	0	0	0	0
852	ALL	645641	4201980	3.59E-09	25YrCance	3.59E-09	0	0	0	0	0	0	0	0	0	0	0
853	ALL	645741	4201980	3.35E-09	25YrCance	3.35E-09	0	0	0	0	0	0	0	0	0	0	0
854	ALL	645841	4201980	3.19E-09	25YrCance	3.19E-09	0	0	0	0	0	0	0	0	0	0	0
855	ALL	645941	4201980	3.08E-09	25YrCance	3.08E-09	0	0	0	0	0	0	0	0	0	0	0
856	ALL	646041	4201980	2.99E-09	25YrCance	2.99E-09	0	0	0	0	0	0	0	0	0	0	0
857	ALL	646141	4201980	2.90E-09	25YrCance	2.90E-09	0	0	0	0	0	0	0	0	0	0	0
858	ALL	646241	4201980	2.81E-09	25YrCance	2.81E-09	0	0	0	0	0	0	0	0	0	0	0
859	ALL	646341	4201980	2.72E-09	25YrCance	2.72E-09	0	0	0	0	0	0	0	0	0	0	0
860	ALL	646441	4201980	2.63E-09	25YrCance	2.63E-09	0	0	0	0	0	0	0	0	0	0	0

861	ALL	646541	4201980	2.55E-09	25YrCance	2.55E-09	0	0	0	0	0	0	0	0	0	0	0
862	ALL	646641	4201980	2.47E-09	25YrCance	2.47E-09	0	0	0	0	0	0	0	0	0	0	0
863	ALL	646741	4201980	2.40E-09	25YrCance	2.40E-09	0	0	0	0	0	0	0	0	0	0	0
864	ALL	646841	4201980	2.33E-09	25YrCance	2.33E-09	0	0	0	0	0	0	0	0	0	0	0
865	ALL	646941	4201980	2.27E-09	25YrCance	2.27E-09	0	0	0	0	0	0	0	0	0	0	0
866	ALL	647041	4201980	2.21E-09	25YrCance	2.21E-09	0	0	0	0	0	0	0	0	0	0	0
867	ALL	647141	4201980	2.15E-09	25YrCance	2.15E-09	0	0	0	0	0	0	0	0	0	0	0
868	ALL	647241	4201980	2.10E-09	25YrCance	2.10E-09	0	0	0	0	0	0	0	0	0	0	0
869	ALL	647341	4201980	2.04E-09	25YrCance	2.04E-09	0	0	0	0	0	0	0	0	0	0	0
870	ALL	644341	4202080	3.45E-09	25YrCance	3.45E-09	0	0	0	0	0	0	0	0	0	0	0
871	ALL	644441	4202080	3.66E-09	25YrCance	3.66E-09	0	0	0	0	0	0	0	0	0	0	0
872	ALL	644541	4202080	3.86E-09	25YrCance	3.86E-09	0	0	0	0	0	0	0	0	0	0	0
873	ALL	644641	4202080	4.04E-09	25YrCance	4.04E-09	0	0	0	0	0	0	0	0	0	0	0
874	ALL	644741	4202080	4.19E-09	25YrCance	4.19E-09	0	0	0	0	0	0	0	0	0	0	0
875	ALL	644841	4202080	4.29E-09	25YrCance	4.29E-09	0	0	0	0	0	0	0	0	0	0	0
876	ALL	644941	4202080	4.34E-09	25YrCance	4.34E-09	0	0	0	0	0	0	0	0	0	0	0
877	ALL	645041	4202080	4.31E-09	25YrCance	4.31E-09	0	0	0	0	0	0	0	0	0	0	0
878	ALL	645141	4202080	4.22E-09	25YrCance	4.22E-09	0	0	0	0	0	0	0	0	0	0	0
879	ALL	645241	4202080	4.05E-09	25YrCance	4.05E-09	0	0	0	0	0	0	0	0	0	0	0
880	ALL	645341	4202080	3.83E-09	25YrCance	3.83E-09	0	0	0	0	0	0	0	0	0	0	0
881	ALL	645441	4202080	3.57E-09	25YrCance	3.57E-09	0	0	0	0	0	0	0	0	0	0	0
882	ALL	645541	4202080	3.31E-09	25YrCance	3.31E-09	0	0	0	0	0	0	0	0	0	0	0
883	ALL	645641	4202080	3.08E-09	25YrCance	3.08E-09	0	0	0	0	0	0	0	0	0	0	0
884	ALL	645741	4202080	2.90E-09	25YrCance	2.90E-09	0	0	0	0	0	0	0	0	0	0	0
885	ALL	645841	4202080	2.78E-09	25YrCance	2.78E-09	0	0	0	0	0	0	0	0	0	0	0
886	ALL	645941	4202080	2.69E-09	25YrCance	2.69E-09	0	0	0	0	0	0	0	0	0	0	0
887	ALL	646041	4202080	2.62E-09	25YrCance	2.62E-09	0	0	0	0	0	0	0	0	0	0	0
888	ALL	646141	4202080	2.55E-09	25YrCance	2.55E-09	0	0	0	0	0	0	0	0	0	0	0
889	ALL	646241	4202080	2.47E-09	25YrCance	2.47E-09	0	0	0	0	0	0	0	0	0	0	0
890	ALL	646341	4202080	2.40E-09	25YrCance	2.40E-09	0	0	0	0	0	0	0	0	0	0	0
891	ALL	646441	4202080	2.33E-09	25YrCance	2.33E-09	0	0	0	0	0	0	0	0	0	0	0
892	ALL	646541	4202080	2.26E-09	25YrCance	2.26E-09	0	0	0	0	0	0	0	0	0	0	0
893	ALL	646641	4202080	2.20E-09	25YrCance	2.20E-09	0	0	0	0	0	0	0	0	0	0	0
894	ALL	646741	4202080	2.14E-09	25YrCance	2.14E-09	0	0	0	0	0	0	0	0	0	0	0
895	ALL	646841	4202080	2.08E-09	25YrCance	2.08E-09	0	0	0	0	0	0	0	0	0	0	0
896	ALL	646941	4202080	2.03E-09	25YrCance	2.03E-09	0	0	0	0	0	0	0	0	0	0	0
897	ALL	647041	4202080	1.98E-09	25YrCance	1.98E-09	0	0	0	0	0	0	0	0	0	0	0
898	ALL	647141	4202080	1.93E-09	25YrCance	1.93E-09	0	0	0	0	0	0	0	0	0	0	0
899	ALL	647241	4202080	1.88E-09	25YrCance	1.88E-09	0	0	0	0	0	0	0	0	0	0	0
900	ALL	647341	4202080	1.84E-09	25YrCance	1.84E-09	0	0	0	0	0	0	0	0	0	0	0
901	ALL	644341	4202180	3.26E-09	25YrCance	3.26E-09	0	0	0	0	0	0	0	0	0	0	0
902	ALL	644441	4202180	3.42E-09	25YrCance	3.42E-09	0	0	0	0	0	0	0	0	0	0	0
903	ALL	644541	4202180	3.57E-09	25YrCance	3.57E-09	0	0	0	0	0	0	0	0	0	0	0
904	ALL	644641	4202180	3.70E-09	25YrCance	3.70E-09	0	0	0	0	0	0	0	0	0	0	0
905	ALL	644741	4202180	3.78E-09	25YrCance	3.78E-09	0	0	0	0	0	0	0	0	0	0	0
906	ALL	644841	4202180	3.82E-09	25YrCance	3.82E-09	0	0	0	0	0	0	0	0	0	0	0
907	ALL	644941	4202180	3.82E-09	25YrCance	3.82E-09	0	0	0	0	0	0	0	0	0	0	0
908	ALL	645041	4202180	3.76E-09	25YrCance	3.76E-09	0	0	0	0	0	0	0	0	0	0	0

909	ALL	645141	4202180	3.65E-09	25YrCance	3.65E-09	0	0	0	0	0	0	0	0	0	0	0
910	ALL	645241	4202180	3.49E-09	25YrCance	3.49E-09	0	0	0	0	0	0	0	0	0	0	0
911	ALL	645341	4202180	3.29E-09	25YrCance	3.29E-09	0	0	0	0	0	0	0	0	0	0	0
912	ALL	645441	4202180	3.07E-09	25YrCance	3.07E-09	0	0	0	0	0	0	0	0	0	0	0
913	ALL	645541	4202180	2.86E-09	25YrCance	2.86E-09	0	0	0	0	0	0	0	0	0	0	0
914	ALL	645641	4202180	2.68E-09	25YrCance	2.68E-09	0	0	0	0	0	0	0	0	0	0	0
915	ALL	645741	4202180	2.55E-09	25YrCance	2.55E-09	0	0	0	0	0	0	0	0	0	0	0
916	ALL	645841	4202180	2.45E-09	25YrCance	2.45E-09	0	0	0	0	0	0	0	0	0	0	0
917	ALL	645941	4202180	2.38E-09	25YrCance	2.38E-09	0	0	0	0	0	0	0	0	0	0	0
918	ALL	646041	4202180	2.32E-09	25YrCance	2.32E-09	0	0	0	0	0	0	0	0	0	0	0
919	ALL	646141	4202180	2.26E-09	25YrCance	2.26E-09	0	0	0	0	0	0	0	0	0	0	0
920	ALL	646241	4202180	2.20E-09	25YrCance	2.20E-09	0	0	0	0	0	0	0	0	0	0	0
921	ALL	646341	4202180	2.14E-09	25YrCance	2.14E-09	0	0	0	0	0	0	0	0	0	0	0
922	ALL	646441	4202180	2.08E-09	25YrCance	2.08E-09	0	0	0	0	0	0	0	0	0	0	0
923	ALL	646541	4202180	2.03E-09	25YrCance	2.03E-09	0	0	0	0	0	0	0	0	0	0	0
924	ALL	646641	4202180	1.97E-09	25YrCance	1.97E-09	0	0	0	0	0	0	0	0	0	0	0
925	ALL	646741	4202180	1.92E-09	25YrCance	1.92E-09	0	0	0	0	0	0	0	0	0	0	0
926	ALL	646841	4202180	1.87E-09	25YrCance	1.87E-09	0	0	0	0	0	0	0	0	0	0	0
927	ALL	646941	4202180	1.82E-09	25YrCance	1.82E-09	0	0	0	0	0	0	0	0	0	0	0
928	ALL	647041	4202180	1.78E-09	25YrCance	1.78E-09	0	0	0	0	0	0	0	0	0	0	0
929	ALL	647141	4202180	1.74E-09	25YrCance	1.74E-09	0	0	0	0	0	0	0	0	0	0	0
930	ALL	647241	4202180	1.70E-09	25YrCance	1.70E-09	0	0	0	0	0	0	0	0	0	0	0
931	ALL	647341	4202180	1.67E-09	25YrCance	1.67E-09	0	0	0	0	0	0	0	0	0	0	0
932	ALL	644341	4202280	3.06E-09	25YrCance	3.06E-09	0	0	0	0	0	0	0	0	0	0	0
933	ALL	644441	4202280	3.18E-09	25YrCance	3.18E-09	0	0	0	0	0	0	0	0	0	0	0
934	ALL	644541	4202280	3.28E-09	25YrCance	3.28E-09	0	0	0	0	0	0	0	0	0	0	0
935	ALL	644641	4202280	3.36E-09	25YrCance	3.36E-09	0	0	0	0	0	0	0	0	0	0	0
936	ALL	644741	4202280	3.40E-09	25YrCance	3.40E-09	0	0	0	0	0	0	0	0	0	0	0
937	ALL	644841	4202280	3.41E-09	25YrCance	3.41E-09	0	0	0	0	0	0	0	0	0	0	0
938	ALL	644941	4202280	3.38E-09	25YrCance	3.38E-09	0	0	0	0	0	0	0	0	0	0	0
939	ALL	645041	4202280	3.30E-09	25YrCance	3.30E-09	0	0	0	0	0	0	0	0	0	0	0
940	ALL	645141	4202280	3.18E-09	25YrCance	3.18E-09	0	0	0	0	0	0	0	0	0	0	0
941	ALL	645241	4202280	3.03E-09	25YrCance	3.03E-09	0	0	0	0	0	0	0	0	0	0	0
942	ALL	645341	4202280	2.86E-09	25YrCance	2.86E-09	0	0	0	0	0	0	0	0	0	0	0
943	ALL	645441	4202280	2.67E-09	25YrCance	2.67E-09	0	0	0	0	0	0	0	0	0	0	0
944	ALL	645541	4202280	2.50E-09	25YrCance	2.50E-09	0	0	0	0	0	0	0	0	0	0	0
945	ALL	645641	4202280	2.36E-09	25YrCance	2.36E-09	0	0	0	0	0	0	0	0	0	0	0
946	ALL	645741	4202280	2.25E-09	25YrCance	2.25E-09	0	0	0	0	0	0	0	0	0	0	0
947	ALL	645841	4202280	2.18E-09	25YrCance	2.18E-09	0	0	0	0	0	0	0	0	0	0	0
948	ALL	645941	4202280	2.12E-09	25YrCance	2.12E-09	0	0	0	0	0	0	0	0	0	0	0
949	ALL	646041	4202280	2.07E-09	25YrCance	2.07E-09	0	0	0	0	0	0	0	0	0	0	0
950	ALL	646141	4202280	2.02E-09	25YrCance	2.02E-09	0	0	0	0	0	0	0	0	0	0	0
951	ALL	646241	4202280	1.97E-09	25YrCance	1.97E-09	0	0	0	0	0	0	0	0	0	0	0
952	ALL	646341	4202280	1.93E-09	25YrCance	1.93E-09	0	0	0	0	0	0	0	0	0	0	0
953	ALL	646441	4202280	1.88E-09	25YrCance	1.88E-09	0	0	0	0	0	0	0	0	0	0	0
954	ALL	646541	4202280	1.83E-09	25YrCance	1.83E-09	0	0	0	0	0	0	0	0	0	0	0
955	ALL	646641	4202280	1.78E-09	25YrCance	1.78E-09	0	0	0	0	0	0	0	0	0	0	0
956	ALL	646741	4202280	1.74E-09	25YrCance	1.74E-09	0	0	0	0	0	0	0	0	0	0	0

957	ALL	646841	4202280	1.70E-09	25YrCance	1.70E-09	0	0	0	0	0	0	0	0	0	0	0
958	ALL	646941	4202280	1.66E-09	25YrCance	1.66E-09	0	0	0	0	0	0	0	0	0	0	0
959	ALL	647041	4202280	1.62E-09	25YrCance	1.62E-09	0	0	0	0	0	0	0	0	0	0	0
960	ALL	647141	4202280	1.58E-09	25YrCance	1.58E-09	0	0	0	0	0	0	0	0	0	0	0
961	ALL	647241	4202280	1.55E-09	25YrCance	1.55E-09	0	0	0	0	0	0	0	0	0	0	0
962	ALL	647341	4202280	1.52E-09	25YrCance	1.52E-09	0	0	0	0	0	0	0	0	0	0	0
963	ALL	645946	4200732	1.03E-06	25YrCance	1.03E-06	0	0	0	0	0	0	0	0	0	0	0
964	ALL	645933.7	4200897	3.04E-07	25YrCance	3.04E-07	0	0	0	0	0	0	0	0	0	0	0
965	ALL	645889.9	4200890	4.25E-07	25YrCance	4.25E-07	0	0	0	0	0	0	0	0	0	0	0
966	ALL	645847.2	4200866	5.61E-07	25YrCance	5.61E-07	0	0	0	0	0	0	0	0	0	0	0
967	ALL	645698	4200718	2.65E-07	25YrCance	2.65E-07	0	0	0	0	0	0	0	0	0	0	0

HARP2 - HRACalc (dated 22118) 12/2/2022 10:45:49 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\ResidentialOpsCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\ResidentialOpsCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 12/2/2022 10:45:49 AM - Cancer Risk - Input File: C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\ResidentialOpsHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		648148	4201091	7.69E-11	30YrCance	7.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		646506.5	4202112	7.03E-11	30YrCance	7.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		645939.2	4200707	9.00E-09	30YrCance	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		644341	4199280	4.42E-11	30YrCance	4.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		644441	4199280	4.69E-11	30YrCance	4.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		644541	4199280	4.99E-11	30YrCance	4.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		644641	4199280	5.33E-11	30YrCance	5.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		644741	4199280	5.73E-11	30YrCance	5.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		644841	4199280	6.18E-11	30YrCance	6.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		644941	4199280	6.67E-11	30YrCance	6.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		645041	4199280	7.19E-11	30YrCance	7.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		645141	4199280	7.72E-11	30YrCance	7.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		645241	4199280	8.23E-11	30YrCance	8.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		645341	4199280	8.67E-11	30YrCance	8.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		645441	4199280	9.02E-11	30YrCance	9.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		645541	4199280	9.27E-11	30YrCance	9.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		645641	4199280	9.45E-11	30YrCance	9.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		645741	4199280	9.63E-11	30YrCance	9.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		645841	4199280	9.85E-11	30YrCance	9.85E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		645941	4199280	1.02E-10	30YrCance	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		646041	4199280	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		646141	4199280	1.09E-10	30YrCance	1.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		646241	4199280	1.12E-10	30YrCance	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		646341	4199280	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		646441	4199280	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		646541	4199280	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		646641	4199280	1.16E-10	30YrCance	1.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		646741	4199280	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		646841	4199280	1.13E-10	30YrCance	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		646941	4199280	1.11E-10	30YrCance	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		647041	4199280	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		647141	4199280	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		647241	4199280	1.02E-10	30YrCance	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		647341	4199280	9.91E-11	30YrCance	9.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		644341	4199380	4.67E-11	30YrCance	4.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		644441	4199380	4.96E-11	30YrCance	4.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		644541	4199380	5.28E-11	30YrCance	5.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		644641	4199380	5.65E-11	30YrCance	5.65E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		644741	4199380	6.08E-11	30YrCance	6.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		644841	4199380	6.57E-11	30YrCance	6.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		644941	4199380	7.12E-11	30YrCance	7.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		645041	4199380	7.73E-11	30YrCance	7.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		645141	4199380	8.36E-11	30YrCance	8.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		645241	4199380	8.98E-11	30YrCance	8.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		645341	4199380	9.53E-11	30YrCance	9.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		645441	4199380	9.98E-11	30YrCance	9.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

47	ALL	645541	4199380	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	645641	4199380	1.06E-10	30YrCance	1.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	645741	4199380	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	645841	4199380	1.11E-10	30YrCance	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	645941	4199380	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	646041	4199380	1.19E-10	30YrCance	1.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	646141	4199380	1.23E-10	30YrCance	1.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	646241	4199380	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	646341	4199380	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	646441	4199380	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	646541	4199380	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	646641	4199380	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	646741	4199380	1.28E-10	30YrCance	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	646841	4199380	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	646941	4199380	1.22E-10	30YrCance	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	647041	4199380	1.19E-10	30YrCance	1.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	647141	4199380	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	647241	4199380	1.11E-10	30YrCance	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	647341	4199380	1.07E-10	30YrCance	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	644341	4199480	4.95E-11	30YrCance	4.95E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	644441	4199480	5.26E-11	30YrCance	5.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	644541	4199480	5.61E-11	30YrCance	5.61E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	644641	4199480	6.00E-11	30YrCance	6.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	644741	4199480	6.46E-11	30YrCance	6.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	644841	4199480	7.00E-11	30YrCance	7.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	644941	4199480	7.62E-11	30YrCance	7.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	645041	4199480	8.31E-11	30YrCance	8.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	645141	4199480	9.06E-11	30YrCance	9.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	645241	4199480	9.82E-11	30YrCance	9.82E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	645341	4199480	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	645441	4199480	1.11E-10	30YrCance	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	645541	4199480	1.16E-10	30YrCance	1.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	645641	4199480	1.19E-10	30YrCance	1.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	645741	4199480	1.22E-10	30YrCance	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	645841	4199480	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	645941	4199480	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	646041	4199480	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	646141	4199480	1.41E-10	30YrCance	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	646241	4199480	1.45E-10	30YrCance	1.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	646341	4199480	1.47E-10	30YrCance	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	646441	4199480	1.48E-10	30YrCance	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	646541	4199480	1.47E-10	30YrCance	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	646641	4199480	1.45E-10	30YrCance	1.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	646741	4199480	1.42E-10	30YrCance	1.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	646841	4199480	1.39E-10	30YrCance	1.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	646941	4199480	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	647041	4199480	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	647141	4199480	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

95	ALL	647241	4199480	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	647341	4199480	1.16E-10	30YrCance	1.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	644341	4199580	5.26E-11	30YrCance	5.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	644441	4199580	5.60E-11	30YrCance	5.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	644541	4199580	5.98E-11	30YrCance	5.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	644641	4199580	6.41E-11	30YrCance	6.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	644741	4199580	6.91E-11	30YrCance	6.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	644841	4199580	7.49E-11	30YrCance	7.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	644941	4199580	8.17E-11	30YrCance	8.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	645041	4199580	8.97E-11	30YrCance	8.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	645141	4199580	9.85E-11	30YrCance	9.85E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	645241	4199580	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	645341	4199580	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	645441	4199580	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	645541	4199580	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	645641	4199580	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	645741	4199580	1.39E-10	30YrCance	1.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	645841	4199580	1.44E-10	30YrCance	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	645941	4199580	1.49E-10	30YrCance	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	646041	4199580	1.56E-10	30YrCance	1.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	646141	4199580	1.62E-10	30YrCance	1.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	646241	4199580	1.66E-10	30YrCance	1.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	646341	4199580	1.69E-10	30YrCance	1.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	646441	4199580	1.69E-10	30YrCance	1.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	646541	4199580	1.67E-10	30YrCance	1.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	646641	4199580	1.64E-10	30YrCance	1.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	646741	4199580	1.60E-10	30YrCance	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	646841	4199580	1.55E-10	30YrCance	1.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	646941	4199580	1.50E-10	30YrCance	1.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	647041	4199580	1.44E-10	30YrCance	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	647141	4199580	1.38E-10	30YrCance	1.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	647241	4199580	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	647341	4199580	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	644341	4199680	5.59E-11	30YrCance	5.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	644441	4199680	5.97E-11	30YrCance	5.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	644541	4199680	6.39E-11	30YrCance	6.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	644641	4199680	6.87E-11	30YrCance	6.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	644741	4199680	7.41E-11	30YrCance	7.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	644841	4199680	8.05E-11	30YrCance	8.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	644941	4199680	8.81E-11	30YrCance	8.81E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	645041	4199680	9.71E-11	30YrCance	9.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	645141	4199680	1.07E-10	30YrCance	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	645241	4199680	1.19E-10	30YrCance	1.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	645341	4199680	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	645441	4199680	1.41E-10	30YrCance	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	645541	4199680	1.49E-10	30YrCance	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	645641	4199680	1.55E-10	30YrCance	1.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	645741	4199680	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

143	ALL	645841	4199680	1.67E-10	30YrCance	1.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	645941	4199680	1.74E-10	30YrCance	1.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	646041	4199680	1.82E-10	30YrCance	1.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	646141	4199680	1.89E-10	30YrCance	1.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	646241	4199680	1.93E-10	30YrCance	1.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	646341	4199680	1.95E-10	30YrCance	1.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	646441	4199680	1.94E-10	30YrCance	1.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	646541	4199680	1.91E-10	30YrCance	1.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	646641	4199680	1.86E-10	30YrCance	1.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	646741	4199680	1.81E-10	30YrCance	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	646841	4199680	1.74E-10	30YrCance	1.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	646941	4199680	1.66E-10	30YrCance	1.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	647041	4199680	1.59E-10	30YrCance	1.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	647141	4199680	1.51E-10	30YrCance	1.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	647241	4199680	1.42E-10	30YrCance	1.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	647341	4199680	1.34E-10	30YrCance	1.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	644341	4199780	5.94E-11	30YrCance	5.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	644441	4199780	6.38E-11	30YrCance	6.38E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	644541	4199780	6.86E-11	30YrCance	6.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	644641	4199780	7.39E-11	30YrCance	7.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	644741	4199780	8.00E-11	30YrCance	8.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	644841	4199780	8.70E-11	30YrCance	8.70E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	644941	4199780	9.54E-11	30YrCance	9.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	645041	4199780	1.06E-10	30YrCance	1.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	645141	4199780	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	645241	4199780	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	645341	4199780	1.46E-10	30YrCance	1.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	645441	4199780	1.60E-10	30YrCance	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	645541	4199780	1.72E-10	30YrCance	1.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	645641	4199780	1.80E-10	30YrCance	1.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	645741	4199780	1.88E-10	30YrCance	1.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	645841	4199780	1.96E-10	30YrCance	1.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	645941	4199780	2.05E-10	30YrCance	2.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	646041	4199780	2.15E-10	30YrCance	2.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	646141	4199780	2.23E-10	30YrCance	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	646241	4199780	2.28E-10	30YrCance	2.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	646341	4199780	2.28E-10	30YrCance	2.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	646441	4199780	2.26E-10	30YrCance	2.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	646541	4199780	2.21E-10	30YrCance	2.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	646641	4199780	2.13E-10	30YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	646741	4199780	2.05E-10	30YrCance	2.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	646841	4199780	1.95E-10	30YrCance	1.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	646941	4199780	1.85E-10	30YrCance	1.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	647041	4199780	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	647141	4199780	1.64E-10	30YrCance	1.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	647241	4199780	1.53E-10	30YrCance	1.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	647341	4199780	1.43E-10	30YrCance	1.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	644341	4199880	6.32E-11	30YrCance	6.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

191	ALL	644441	4199880	6.81E-11	30YrCance	6.81E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	644541	4199880	7.36E-11	30YrCance	7.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	644641	4199880	7.97E-11	30YrCance	7.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	644741	4199880	8.67E-11	30YrCance	8.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	644841	4199880	9.46E-11	30YrCance	9.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	644941	4199880	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	645041	4199880	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	645141	4199880	1.29E-10	30YrCance	1.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	645241	4199880	1.46E-10	30YrCance	1.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	645341	4199880	1.65E-10	30YrCance	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	645441	4199880	1.84E-10	30YrCance	1.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	645541	4199880	2.00E-10	30YrCance	2.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	645641	4199880	2.13E-10	30YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	645741	4199880	2.23E-10	30YrCance	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	645841	4199880	2.34E-10	30YrCance	2.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	645941	4199880	2.47E-10	30YrCance	2.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	646041	4199880	2.60E-10	30YrCance	2.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	646141	4199880	2.69E-10	30YrCance	2.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	646241	4199880	2.72E-10	30YrCance	2.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	646341	4199880	2.71E-10	30YrCance	2.71E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	646441	4199880	2.65E-10	30YrCance	2.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	646541	4199880	2.57E-10	30YrCance	2.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	646641	4199880	2.46E-10	30YrCance	2.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	646741	4199880	2.33E-10	30YrCance	2.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	646841	4199880	2.20E-10	30YrCance	2.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	646941	4199880	2.06E-10	30YrCance	2.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	647041	4199880	1.92E-10	30YrCance	1.92E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	647141	4199880	1.78E-10	30YrCance	1.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	647241	4199880	1.65E-10	30YrCance	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	647341	4199880	1.52E-10	30YrCance	1.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	644341	4199980	6.71E-11	30YrCance	6.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	644441	4199980	7.28E-11	30YrCance	7.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	644541	4199980	7.91E-11	30YrCance	7.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	644641	4199980	8.62E-11	30YrCance	8.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	644741	4199980	9.42E-11	30YrCance	9.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	644841	4199980	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	644941	4199980	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	645041	4199980	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	645141	4199980	1.43E-10	30YrCance	1.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	645241	4199980	1.63E-10	30YrCance	1.63E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	645341	4199980	1.87E-10	30YrCance	1.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	645441	4199980	2.13E-10	30YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	645541	4199980	2.36E-10	30YrCance	2.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	645641	4199980	2.56E-10	30YrCance	2.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	645741	4199980	2.72E-10	30YrCance	2.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	645841	4199980	2.87E-10	30YrCance	2.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	645941	4199980	3.04E-10	30YrCance	3.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	646041	4199980	3.20E-10	30YrCance	3.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

239	ALL	646141	4199980	3.30E-10	30YrCance	3.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	646241	4199980	3.31E-10	30YrCance	3.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	646341	4199980	3.26E-10	30YrCance	3.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	646441	4199980	3.16E-10	30YrCance	3.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	646541	4199980	3.01E-10	30YrCance	3.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	646641	4199980	2.84E-10	30YrCance	2.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	646741	4199980	2.66E-10	30YrCance	2.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	646841	4199980	2.47E-10	30YrCance	2.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	646941	4199980	2.27E-10	30YrCance	2.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	647041	4199980	2.09E-10	30YrCance	2.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	647141	4199980	1.92E-10	30YrCance	1.92E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	647241	4199980	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	647341	4199980	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	644341	4200080	7.11E-11	30YrCance	7.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	644441	4200080	7.75E-11	30YrCance	7.75E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	644541	4200080	8.48E-11	30YrCance	8.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	644641	4200080	9.31E-11	30YrCance	9.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	644741	4200080	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	644841	4200080	1.13E-10	30YrCance	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	644941	4200080	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	645041	4200080	1.41E-10	30YrCance	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	645141	4200080	1.60E-10	30YrCance	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	645241	4200080	1.84E-10	30YrCance	1.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	645341	4200080	2.14E-10	30YrCance	2.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	645441	4200080	2.49E-10	30YrCance	2.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	645541	4200080	2.84E-10	30YrCance	2.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	645641	4200080	3.14E-10	30YrCance	3.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	645741	4200080	3.39E-10	30YrCance	3.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	645841	4200080	3.62E-10	30YrCance	3.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	645941	4200080	3.86E-10	30YrCance	3.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	646041	4200080	4.07E-10	30YrCance	4.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	646141	4200080	4.15E-10	30YrCance	4.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	646241	4200080	4.11E-10	30YrCance	4.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	646341	4200080	3.98E-10	30YrCance	3.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	646441	4200080	3.79E-10	30YrCance	3.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	646541	4200080	3.56E-10	30YrCance	3.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	646641	4200080	3.30E-10	30YrCance	3.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	646741	4200080	3.02E-10	30YrCance	3.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	646841	4200080	2.75E-10	30YrCance	2.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	646941	4200080	2.50E-10	30YrCance	2.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	647041	4200080	2.26E-10	30YrCance	2.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	647141	4200080	2.05E-10	30YrCance	2.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	647241	4200080	1.85E-10	30YrCance	1.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	647341	4200080	1.68E-10	30YrCance	1.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	644341	4200180	7.51E-11	30YrCance	7.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	644441	4200180	8.24E-11	30YrCance	8.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	644541	4200180	9.07E-11	30YrCance	9.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	644641	4200180	1.00E-10	30YrCance	1.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

287	ALL	644741	4200180	1.12E-10	30YrCance	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	644841	4200180	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	644941	4200180	1.40E-10	30YrCance	1.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	645041	4200180	1.58E-10	30YrCance	1.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	645141	4200180	1.81E-10	30YrCance	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	645241	4200180	2.10E-10	30YrCance	2.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	645341	4200180	2.48E-10	30YrCance	2.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	645441	4200180	2.96E-10	30YrCance	2.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	645541	4200180	3.48E-10	30YrCance	3.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	645641	4200180	3.97E-10	30YrCance	3.97E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	645741	4200180	4.38E-10	30YrCance	4.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	645841	4200180	4.74E-10	30YrCance	4.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	645941	4200180	5.08E-10	30YrCance	5.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	646041	4200180	5.33E-10	30YrCance	5.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	646141	4200180	5.37E-10	30YrCance	5.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	646241	4200180	5.21E-10	30YrCance	5.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	646341	4200180	4.94E-10	30YrCance	4.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	646441	4200180	4.60E-10	30YrCance	4.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	646541	4200180	4.21E-10	30YrCance	4.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	646641	4200180	3.80E-10	30YrCance	3.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	646741	4200180	3.41E-10	30YrCance	3.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	646841	4200180	3.04E-10	30YrCance	3.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	646941	4200180	2.71E-10	30YrCance	2.71E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	647041	4200180	2.42E-10	30YrCance	2.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	647141	4200180	2.16E-10	30YrCance	2.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	647241	4200180	1.94E-10	30YrCance	1.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	647341	4200180	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	644341	4200280	7.90E-11	30YrCance	7.90E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	644441	4200280	8.71E-11	30YrCance	8.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	644541	4200280	9.65E-11	30YrCance	9.65E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	644641	4200280	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	644741	4200280	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	644841	4200280	1.37E-10	30YrCance	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	644941	4200280	1.55E-10	30YrCance	1.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	645041	4200280	1.78E-10	30YrCance	1.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	645141	4200280	2.07E-10	30YrCance	2.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	645241	4200280	2.43E-10	30YrCance	2.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	645341	4200280	2.91E-10	30YrCance	2.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	645441	4200280	3.58E-10	30YrCance	3.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	645541	4200280	4.39E-10	30YrCance	4.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	645641	4200280	5.22E-10	30YrCance	5.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	645741	4200280	5.96E-10	30YrCance	5.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	645841	4200280	6.53E-10	30YrCance	6.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	645941	4200280	7.01E-10	30YrCance	7.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	646041	4200280	7.28E-10	30YrCance	7.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	646141	4200280	7.15E-10	30YrCance	7.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	646241	4200280	6.73E-10	30YrCance	6.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	646341	4200280	6.20E-10	30YrCance	6.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

335	ALL	646441	4200280	5.59E-10	30YrCance	5.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	646541	4200280	4.95E-10	30YrCance	4.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	646641	4200280	4.35E-10	30YrCance	4.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	646741	4200280	3.80E-10	30YrCance	3.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	646841	4200280	3.32E-10	30YrCance	3.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	646941	4200280	2.91E-10	30YrCance	2.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	647041	4200280	2.56E-10	30YrCance	2.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	647141	4200280	2.26E-10	30YrCance	2.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	647241	4200280	2.01E-10	30YrCance	2.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	647341	4200280	1.80E-10	30YrCance	1.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	644341	4200380	8.28E-11	30YrCance	8.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	644441	4200380	9.18E-11	30YrCance	9.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	644541	4200380	1.02E-10	30YrCance	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	644641	4200380	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	644741	4200380	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	644841	4200380	1.49E-10	30YrCance	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	644941	4200380	1.72E-10	30YrCance	1.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	645041	4200380	2.00E-10	30YrCance	2.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	645141	4200380	2.37E-10	30YrCance	2.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	645241	4200380	2.85E-10	30YrCance	2.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	645341	4200380	3.50E-10	30YrCance	3.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	645441	4200380	4.45E-10	30YrCance	4.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	645541	4200380	5.78E-10	30YrCance	5.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	645641	4200380	7.31E-10	30YrCance	7.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	645741	4200380	8.78E-10	30YrCance	8.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	645841	4200380	9.70E-10	30YrCance	9.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	645941	4200380	1.03E-09	30YrCance	1.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	646041	4200380	1.04E-09	30YrCance	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	646141	4200380	9.81E-10	30YrCance	9.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	646241	4200380	8.86E-10	30YrCance	8.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	646341	4200380	7.82E-10	30YrCance	7.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	646441	4200380	6.75E-10	30YrCance	6.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	646541	4200380	5.76E-10	30YrCance	5.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	646641	4200380	4.90E-10	30YrCance	4.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	646741	4200380	4.17E-10	30YrCance	4.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	646841	4200380	3.57E-10	30YrCance	3.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	646941	4200380	3.07E-10	30YrCance	3.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	647041	4200380	2.67E-10	30YrCance	2.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	647141	4200380	2.34E-10	30YrCance	2.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	647241	4200380	2.07E-10	30YrCance	2.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	647341	4200380	1.84E-10	30YrCance	1.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	644341	4200480	8.71E-11	30YrCance	8.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	644441	4200480	9.68E-11	30YrCance	9.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	644541	4200480	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	644641	4200480	1.23E-10	30YrCance	1.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	644741	4200480	1.40E-10	30YrCance	1.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	644841	4200480	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	644941	4200480	1.89E-10	30YrCance	1.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

383	ALL	645041	4200480	2.24E-10	30YrCance	2.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	645141	4200480	2.71E-10	30YrCance	2.71E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	645241	4200480	3.36E-10	30YrCance	3.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	645341	4200480	4.30E-10	30YrCance	4.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	645441	4200480	5.73E-10	30YrCance	5.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	645541	4200480	8.19E-10	30YrCance	8.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	645641	4200480	1.17E-09	30YrCance	1.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	645741	4200480	1.50E-09	30YrCance	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	645841	4200480	1.61E-09	30YrCance	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	645941	4200480	1.65E-09	30YrCance	1.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	646041	4200480	1.58E-09	30YrCance	1.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	646141	4200480	1.39E-09	30YrCance	1.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	646241	4200480	1.18E-09	30YrCance	1.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	646341	4200480	9.78E-10	30YrCance	9.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	646441	4200480	8.07E-10	30YrCance	8.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	646541	4200480	6.61E-10	30YrCance	6.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	646641	4200480	5.43E-10	30YrCance	5.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	646741	4200480	4.49E-10	30YrCance	4.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	646841	4200480	3.76E-10	30YrCance	3.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	646941	4200480	3.19E-10	30YrCance	3.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	647041	4200480	2.74E-10	30YrCance	2.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	647141	4200480	2.39E-10	30YrCance	2.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	647241	4200480	2.10E-10	30YrCance	2.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	647341	4200480	1.86E-10	30YrCance	1.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	644341	4200580	9.18E-11	30YrCance	9.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	644441	4200580	1.02E-10	30YrCance	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	644541	4200580	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	644641	4200580	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	644741	4200580	1.50E-10	30YrCance	1.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	644841	4200580	1.74E-10	30YrCance	1.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	644941	4200580	2.06E-10	30YrCance	2.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	645041	4200580	2.48E-10	30YrCance	2.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	645141	4200580	3.07E-10	30YrCance	3.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	645241	4200580	3.92E-10	30YrCance	3.92E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	645341	4200580	5.27E-10	30YrCance	5.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	645441	4200580	7.64E-10	30YrCance	7.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	645541	4200580	1.34E-09	30YrCance	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	645641	4200580	2.98E-09	30YrCance	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	645741	4200580	3.31E-09	30YrCance	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	645841	4200580	3.04E-09	30YrCance	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	645941	4200580	2.99E-09	30YrCance	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	646041	4200580	2.56E-09	30YrCance	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	646141	4200580	1.99E-09	30YrCance	1.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	646241	4200580	1.54E-09	30YrCance	1.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	646341	4200580	1.22E-09	30YrCance	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	646441	4200580	9.55E-10	30YrCance	9.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	646541	4200580	7.42E-10	30YrCance	7.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	646641	4200580	5.84E-10	30YrCance	5.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

431	ALL	646741	4200580	4.70E-10	30YrCance	4.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	646841	4200580	3.87E-10	30YrCance	3.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	646941	4200580	3.25E-10	30YrCance	3.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	647041	4200580	2.78E-10	30YrCance	2.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	647141	4200580	2.41E-10	30YrCance	2.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	647241	4200580	2.11E-10	30YrCance	2.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	647341	4200580	1.86E-10	30YrCance	1.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	644341	4200680	9.67E-11	30YrCance	9.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	644441	4200680	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	644541	4200680	1.22E-10	30YrCance	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	644641	4200680	1.39E-10	30YrCance	1.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	644741	4200680	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	644841	4200680	1.88E-10	30YrCance	1.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	644941	4200680	2.24E-10	30YrCance	2.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	645041	4200680	2.73E-10	30YrCance	2.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	645141	4200680	3.43E-10	30YrCance	3.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	645241	4200680	4.50E-10	30YrCance	4.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	645341	4200680	6.26E-10	30YrCance	6.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	645441	4200680	9.93E-10	30YrCance	9.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	645541	4200680	2.24E-09	30YrCance	2.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	645641	4200680	8.19E-09	30YrCance	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	645741	4200680	9.65E-09	30YrCance	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	645841	4200680	7.39E-09	30YrCance	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	645941	4200680	6.87E-09	30YrCance	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	646041	4200680	4.07E-09	30YrCance	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	646141	4200680	2.70E-09	30YrCance	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	646241	4200680	2.10E-09	30YrCance	2.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	646341	4200680	1.61E-09	30YrCance	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	646441	4200680	1.11E-09	30YrCance	1.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	646541	4200680	7.94E-10	30YrCance	7.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	646641	4200680	6.02E-10	30YrCance	6.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	646741	4200680	4.76E-10	30YrCance	4.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	646841	4200680	3.88E-10	30YrCance	3.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	646941	4200680	3.24E-10	30YrCance	3.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	647041	4200680	2.76E-10	30YrCance	2.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	647141	4200680	2.39E-10	30YrCance	2.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	647241	4200680	2.09E-10	30YrCance	2.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	647341	4200680	1.85E-10	30YrCance	1.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	644341	4200780	1.01E-10	30YrCance	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	644441	4200780	1.13E-10	30YrCance	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	644541	4200780	1.28E-10	30YrCance	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	644641	4200780	1.47E-10	30YrCance	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	644741	4200780	1.70E-10	30YrCance	1.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	644841	4200780	2.00E-10	30YrCance	2.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	644941	4200780	2.40E-10	30YrCance	2.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	645041	4200780	2.94E-10	30YrCance	2.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	645141	4200780	3.73E-10	30YrCance	3.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	645241	4200780	4.93E-10	30YrCance	4.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

479	ALL	645341	4200780	6.92E-10	30YrCance	6.92E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	645441	4200780	1.08E-09	30YrCance	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	645541	4200780	1.95E-09	30YrCance	1.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	645641	4200780	4.45E-09	30YrCance	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	645741	4200780	1.09E-08	30YrCance	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	646041	4200780	5.02E-09	30YrCance	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	646141	4200780	4.27E-09	30YrCance	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	646241	4200780	5.38E-09	30YrCance	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	646341	4200780	2.16E-09	30YrCance	2.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	646441	4200780	1.15E-09	30YrCance	1.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	646541	4200780	7.84E-10	30YrCance	7.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	646641	4200780	5.86E-10	30YrCance	5.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	646741	4200780	4.62E-10	30YrCance	4.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	646841	4200780	3.77E-10	30YrCance	3.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	646941	4200780	3.15E-10	30YrCance	3.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	647041	4200780	2.69E-10	30YrCance	2.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	647141	4200780	2.33E-10	30YrCance	2.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	647241	4200780	2.04E-10	30YrCance	2.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	647341	4200780	1.80E-10	30YrCance	1.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	644341	4200880	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	644441	4200880	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	644541	4200880	1.32E-10	30YrCance	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	644641	4200880	1.52E-10	30YrCance	1.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	644741	4200880	1.76E-10	30YrCance	1.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	644841	4200880	2.07E-10	30YrCance	2.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	644941	4200880	2.48E-10	30YrCance	2.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	645041	4200880	3.04E-10	30YrCance	3.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	645141	4200880	3.84E-10	30YrCance	3.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	645241	4200880	5.04E-10	30YrCance	5.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	645341	4200880	6.95E-10	30YrCance	6.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	645441	4200880	1.02E-09	30YrCance	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	645541	4200880	1.60E-09	30YrCance	1.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	645641	4200880	2.74E-09	30YrCance	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	645741	4200880	6.17E-09	30YrCance	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	645841	4200880	1.01E-08	30YrCance	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	645941	4200880	6.21E-09	30YrCance	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	646041	4200880	8.54E-09	30YrCance	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	646141	4200880	5.61E-09	30YrCance	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	646241	4200880	3.01E-09	30YrCance	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	646341	4200880	1.48E-09	30YrCance	1.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	646441	4200880	9.55E-10	30YrCance	9.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	646541	4200880	6.89E-10	30YrCance	6.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	646641	4200880	5.30E-10	30YrCance	5.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	646741	4200880	4.25E-10	30YrCance	4.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	646841	4200880	3.51E-10	30YrCance	3.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	646941	4200880	2.96E-10	30YrCance	2.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	647041	4200880	2.54E-10	30YrCance	2.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	647141	4200880	2.21E-10	30YrCance	2.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	647241	4200880	1.94E-10	30YrCance	1.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	647341	4200880	1.73E-10	30YrCance	1.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	644341	4200980	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	644441	4200980	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	644541	4200980	1.33E-10	30YrCance	1.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	644641	4200980	1.53E-10	30YrCance	1.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	644741	4200980	1.77E-10	30YrCance	1.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	644841	4200980	2.07E-10	30YrCance	2.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	644941	4200980	2.47E-10	30YrCance	2.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	645041	4200980	3.00E-10	30YrCance	3.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	645141	4200980	3.75E-10	30YrCance	3.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	645241	4200980	4.82E-10	30YrCance	4.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	645341	4200980	6.40E-10	30YrCance	6.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	645441	4200980	8.78E-10	30YrCance	8.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	645541	4200980	1.24E-09	30YrCance	1.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	645641	4200980	1.82E-09	30YrCance	1.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	645741	4200980	2.59E-09	30YrCance	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	645841	4200980	3.21E-09	30YrCance	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	645941	4200980	3.60E-09	30YrCance	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	646041	4200980	2.48E-09	30YrCance	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	646141	4200980	1.73E-09	30YrCance	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	646241	4200980	1.22E-09	30YrCance	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	646341	4200980	8.93E-10	30YrCance	8.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	646441	4200980	6.82E-10	30YrCance	6.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	646541	4200980	5.40E-10	30YrCance	5.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	646641	4200980	4.39E-10	30YrCance	4.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	646741	4200980	3.65E-10	30YrCance	3.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	646841	4200980	3.10E-10	30YrCance	3.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	646941	4200980	2.66E-10	30YrCance	2.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	647041	4200980	2.32E-10	30YrCance	2.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	647141	4200980	2.04E-10	30YrCance	2.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	647241	4200980	1.81E-10	30YrCance	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	647341	4200980	1.62E-10	30YrCance	1.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	644341	4201080	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	644441	4201080	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	644541	4201080	1.32E-10	30YrCance	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	644641	4201080	1.51E-10	30YrCance	1.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	644741	4201080	1.73E-10	30YrCance	1.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	644841	4201080	2.02E-10	30YrCance	2.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	644941	4201080	2.39E-10	30YrCance	2.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	645041	4201080	2.87E-10	30YrCance	2.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	645141	4201080	3.52E-10	30YrCance	3.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	645241	4201080	4.39E-10	30YrCance	4.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	645341	4201080	5.58E-10	30YrCance	5.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	645441	4201080	7.19E-10	30YrCance	7.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	645541	4201080	9.28E-10	30YrCance	9.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	645641	4201080	1.16E-09	30YrCance	1.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	645741	4201080	1.29E-09	30YrCance	1.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

575	ALL	645841	4201080	1.33E-09	30YrCance	1.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	645941	4201080	1.25E-09	30YrCance	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	646041	4201080	1.04E-09	30YrCance	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	646141	4201080	8.61E-10	30YrCance	8.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	646241	4201080	7.00E-10	30YrCance	7.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	646341	4201080	5.76E-10	30YrCance	5.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	646441	4201080	4.79E-10	30YrCance	4.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	646541	4201080	4.04E-10	30YrCance	4.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	646641	4201080	3.46E-10	30YrCance	3.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	646741	4201080	2.99E-10	30YrCance	2.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	646841	4201080	2.61E-10	30YrCance	2.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	646941	4201080	2.30E-10	30YrCance	2.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	647041	4201080	2.04E-10	30YrCance	2.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	647141	4201080	1.82E-10	30YrCance	1.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	647241	4201080	1.64E-10	30YrCance	1.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	647341	4201080	1.48E-10	30YrCance	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	644341	4201180	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	644441	4201180	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	644541	4201180	1.29E-10	30YrCance	1.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	644641	4201180	1.47E-10	30YrCance	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	644741	4201180	1.68E-10	30YrCance	1.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	644841	4201180	1.94E-10	30YrCance	1.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	644941	4201180	2.27E-10	30YrCance	2.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	645041	4201180	2.68E-10	30YrCance	2.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	645141	4201180	3.22E-10	30YrCance	3.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	645241	4201180	3.90E-10	30YrCance	3.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	645341	4201180	4.75E-10	30YrCance	4.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	645441	4201180	5.75E-10	30YrCance	5.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	645541	4201180	6.79E-10	30YrCance	6.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	645641	4201180	7.55E-10	30YrCance	7.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	645741	4201180	7.74E-10	30YrCance	7.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	645841	4201180	7.53E-10	30YrCance	7.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	645941	4201180	7.09E-10	30YrCance	7.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	646041	4201180	6.30E-10	30YrCance	6.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	646141	4201180	5.42E-10	30YrCance	5.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	646241	4201180	4.65E-10	30YrCance	4.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	646341	4201180	4.01E-10	30YrCance	4.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	646441	4201180	3.48E-10	30YrCance	3.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	646541	4201180	3.05E-10	30YrCance	3.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	646641	4201180	2.70E-10	30YrCance	2.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	646741	4201180	2.40E-10	30YrCance	2.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	646841	4201180	2.15E-10	30YrCance	2.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	646941	4201180	1.94E-10	30YrCance	1.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	647041	4201180	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	647141	4201180	1.59E-10	30YrCance	1.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	647241	4201180	1.45E-10	30YrCance	1.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	647341	4201180	1.33E-10	30YrCance	1.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	644341	4201280	1.01E-10	30YrCance	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

623	ALL	644441	4201280	1.12E-10	30YrCance	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	644541	4201280	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	644641	4201280	1.41E-10	30YrCance	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	644741	4201280	1.60E-10	30YrCance	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	644841	4201280	1.84E-10	30YrCance	1.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	644941	4201280	2.12E-10	30YrCance	2.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	645041	4201280	2.47E-10	30YrCance	2.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	645141	4201280	2.90E-10	30YrCance	2.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	645241	4201280	3.40E-10	30YrCance	3.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	645341	4201280	3.97E-10	30YrCance	3.97E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	645441	4201280	4.53E-10	30YrCance	4.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	645541	4201280	4.99E-10	30YrCance	4.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	645641	4201280	5.19E-10	30YrCance	5.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	645741	4201280	5.14E-10	30YrCance	5.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	645841	4201280	4.98E-10	30YrCance	4.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	645941	4201280	4.69E-10	30YrCance	4.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	646041	4201280	4.26E-10	30YrCance	4.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	646141	4201280	3.82E-10	30YrCance	3.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	646241	4201280	3.39E-10	30YrCance	3.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	646341	4201280	3.00E-10	30YrCance	3.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	646441	4201280	2.67E-10	30YrCance	2.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	646541	4201280	2.39E-10	30YrCance	2.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	646641	4201280	2.15E-10	30YrCance	2.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	646741	4201280	1.95E-10	30YrCance	1.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	646841	4201280	1.77E-10	30YrCance	1.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	646941	4201280	1.62E-10	30YrCance	1.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	647041	4201280	1.49E-10	30YrCance	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	647141	4201280	1.37E-10	30YrCance	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	647241	4201280	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	647341	4201280	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	644341	4201380	9.78E-11	30YrCance	9.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	644441	4201380	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	644541	4201380	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	644641	4201380	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	644741	4201380	1.52E-10	30YrCance	1.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	644841	4201380	1.73E-10	30YrCance	1.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	644941	4201380	1.97E-10	30YrCance	1.97E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	645041	4201380	2.25E-10	30YrCance	2.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	645141	4201380	2.58E-10	30YrCance	2.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	645241	4201380	2.93E-10	30YrCance	2.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	645341	4201380	3.28E-10	30YrCance	3.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	645441	4201380	3.57E-10	30YrCance	3.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	645541	4201380	3.74E-10	30YrCance	3.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	645641	4201380	3.76E-10	30YrCance	3.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	645741	4201380	3.67E-10	30YrCance	3.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	645841	4201380	3.55E-10	30YrCance	3.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	645941	4201380	3.37E-10	30YrCance	3.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	646041	4201380	3.13E-10	30YrCance	3.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

671	ALL	646141	4201380	2.86E-10	30YrCance	2.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	646241	4201380	2.61E-10	30YrCance	2.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	646341	4201380	2.36E-10	30YrCance	2.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	646441	4201380	2.13E-10	30YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	646541	4201380	1.93E-10	30YrCance	1.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	646641	4201380	1.76E-10	30YrCance	1.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	646741	4201380	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	646841	4201380	1.48E-10	30YrCance	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	646941	4201380	1.37E-10	30YrCance	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	647041	4201380	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	647141	4201380	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	647241	4201380	1.10E-10	30YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	647341	4201380	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	644341	4201480	9.46E-11	30YrCance	9.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	644441	4201480	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	644541	4201480	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	644641	4201480	1.28E-10	30YrCance	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	644741	4201480	1.43E-10	30YrCance	1.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	644841	4201480	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	644941	4201480	1.81E-10	30YrCance	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	645041	4201480	2.03E-10	30YrCance	2.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	645141	4201480	2.27E-10	30YrCance	2.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	645241	4201480	2.50E-10	30YrCance	2.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	645341	4201480	2.70E-10	30YrCance	2.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	645441	4201480	2.84E-10	30YrCance	2.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	645541	4201480	2.88E-10	30YrCance	2.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	645641	4201480	2.85E-10	30YrCance	2.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	645741	4201480	2.77E-10	30YrCance	2.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	645841	4201480	2.68E-10	30YrCance	2.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	645941	4201480	2.56E-10	30YrCance	2.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	646041	4201480	2.41E-10	30YrCance	2.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	646141	4201480	2.25E-10	30YrCance	2.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	646241	4201480	2.08E-10	30YrCance	2.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	646341	4201480	1.91E-10	30YrCance	1.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	646441	4201480	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	646541	4201480	1.61E-10	30YrCance	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	646641	4201480	1.48E-10	30YrCance	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	646741	4201480	1.37E-10	30YrCance	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	646841	4201480	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	646941	4201480	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	647041	4201480	1.10E-10	30YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	647141	4201480	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	647241	4201480	9.67E-11	30YrCance	9.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	647341	4201480	9.10E-11	30YrCance	9.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	644341	4201580	9.10E-11	30YrCance	9.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	644441	4201580	9.98E-11	30YrCance	9.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	644541	4201580	1.10E-10	30YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	644641	4201580	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

719	ALL	644741	4201580	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	644841	4201580	1.49E-10	30YrCance	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	644941	4201580	1.65E-10	30YrCance	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	645041	4201580	1.82E-10	30YrCance	1.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	645141	4201580	1.98E-10	30YrCance	1.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	645241	4201580	2.13E-10	30YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	645341	4201580	2.23E-10	30YrCance	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	645441	4201580	2.28E-10	30YrCance	2.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	645541	4201580	2.28E-10	30YrCance	2.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	645641	4201580	2.23E-10	30YrCance	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	645741	4201580	2.17E-10	30YrCance	2.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	645841	4201580	2.10E-10	30YrCance	2.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	645941	4201580	2.03E-10	30YrCance	2.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	646041	4201580	1.93E-10	30YrCance	1.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	646141	4201580	1.82E-10	30YrCance	1.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	646241	4201580	1.70E-10	30YrCance	1.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	646341	4201580	1.59E-10	30YrCance	1.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	646441	4201580	1.47E-10	30YrCance	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	646541	4201580	1.36E-10	30YrCance	1.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	646641	4201580	1.27E-10	30YrCance	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	646741	4201580	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	646841	4201580	1.10E-10	30YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	646941	4201580	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	647041	4201580	9.64E-11	30YrCance	9.64E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	647141	4201580	9.07E-11	30YrCance	9.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	647241	4201580	8.55E-11	30YrCance	8.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	647341	4201580	8.07E-11	30YrCance	8.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	644341	4201680	8.74E-11	30YrCance	8.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	644441	4201680	9.54E-11	30YrCance	9.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	644541	4201680	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	644641	4201680	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	644741	4201680	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	644841	4201680	1.37E-10	30YrCance	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	644941	4201680	1.50E-10	30YrCance	1.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	645041	4201680	1.62E-10	30YrCance	1.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	645141	4201680	1.72E-10	30YrCance	1.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	645241	4201680	1.81E-10	30YrCance	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	645341	4201680	1.86E-10	30YrCance	1.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	645441	4201680	1.87E-10	30YrCance	1.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	645541	4201680	1.84E-10	30YrCance	1.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	645641	4201680	1.80E-10	30YrCance	1.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	645741	4201680	1.75E-10	30YrCance	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	645841	4201680	1.70E-10	30YrCance	1.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	645941	4201680	1.65E-10	30YrCance	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	646041	4201680	1.59E-10	30YrCance	1.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	646141	4201680	1.51E-10	30YrCance	1.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	646241	4201680	1.43E-10	30YrCance	1.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	646341	4201680	1.34E-10	30YrCance	1.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

767	ALL	646441	4201680	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	646541	4201680	1.18E-10	30YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	646641	4201680	1.10E-10	30YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	646741	4201680	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	646841	4201680	9.67E-11	30YrCance	9.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	646941	4201680	9.09E-11	30YrCance	9.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	647041	4201680	8.54E-11	30YrCance	8.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	647141	4201680	8.07E-11	30YrCance	8.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	647241	4201680	7.63E-11	30YrCance	7.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	647341	4201680	7.23E-11	30YrCance	7.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	644341	4201780	8.37E-11	30YrCance	8.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	644441	4201780	9.09E-11	30YrCance	9.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	644541	4201780	9.88E-11	30YrCance	9.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	644641	4201780	1.07E-10	30YrCance	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	644741	4201780	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	644841	4201780	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	644941	4201780	1.35E-10	30YrCance	1.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	645041	4201780	1.43E-10	30YrCance	1.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	645141	4201780	1.50E-10	30YrCance	1.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	645241	4201780	1.54E-10	30YrCance	1.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	645341	4201780	1.56E-10	30YrCance	1.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	645441	4201780	1.55E-10	30YrCance	1.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	645541	4201780	1.52E-10	30YrCance	1.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	645641	4201780	1.48E-10	30YrCance	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	645741	4201780	1.44E-10	30YrCance	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	645841	4201780	1.41E-10	30YrCance	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	645941	4201780	1.38E-10	30YrCance	1.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	646041	4201780	1.33E-10	30YrCance	1.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	646141	4201780	1.28E-10	30YrCance	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	646241	4201780	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	646341	4201780	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	646441	4201780	1.09E-10	30YrCance	1.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	646541	4201780	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	646641	4201780	9.66E-11	30YrCance	9.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	646741	4201780	9.10E-11	30YrCance	9.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	646841	4201780	8.59E-11	30YrCance	8.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	646941	4201780	8.10E-11	30YrCance	8.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	647041	4201780	7.66E-11	30YrCance	7.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	647141	4201780	7.25E-11	30YrCance	7.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	647241	4201780	6.87E-11	30YrCance	6.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	647341	4201780	6.54E-11	30YrCance	6.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	644341	4201880	8.00E-11	30YrCance	8.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	644441	4201880	8.64E-11	30YrCance	8.64E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	644541	4201880	9.32E-11	30YrCance	9.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	644641	4201880	1.00E-10	30YrCance	1.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	644741	4201880	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	644841	4201880	1.15E-10	30YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	644941	4201880	1.21E-10	30YrCance	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

815	ALL	645041	4201880	1.26E-10	30YrCance	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	645141	4201880	1.30E-10	30YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	645241	4201880	1.32E-10	30YrCance	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	645341	4201880	1.32E-10	30YrCance	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	645441	4201880	1.31E-10	30YrCance	1.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	645541	4201880	1.28E-10	30YrCance	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	645641	4201880	1.25E-10	30YrCance	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	645741	4201880	1.22E-10	30YrCance	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	645841	4201880	1.20E-10	30YrCance	1.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	645941	4201880	1.17E-10	30YrCance	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	646041	4201880	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	646141	4201880	1.09E-10	30YrCance	1.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	646241	4201880	1.05E-10	30YrCance	1.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	646341	4201880	1.00E-10	30YrCance	1.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	646441	4201880	9.50E-11	30YrCance	9.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	646541	4201880	9.04E-11	30YrCance	9.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	646641	4201880	8.56E-11	30YrCance	8.56E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	646741	4201880	8.11E-11	30YrCance	8.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	646841	4201880	7.68E-11	30YrCance	7.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	646941	4201880	7.29E-11	30YrCance	7.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	647041	4201880	6.91E-11	30YrCance	6.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	647141	4201880	6.57E-11	30YrCance	6.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	647241	4201880	6.24E-11	30YrCance	6.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	647341	4201880	5.95E-11	30YrCance	5.95E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	644341	4201980	7.63E-11	30YrCance	7.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	644441	4201980	8.18E-11	30YrCance	8.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	644541	4201980	8.75E-11	30YrCance	8.75E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	644641	4201980	9.33E-11	30YrCance	9.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	644741	4201980	9.88E-11	30YrCance	9.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	644841	4201980	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	644941	4201980	1.08E-10	30YrCance	1.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	645041	4201980	1.12E-10	30YrCance	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	645141	4201980	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	645241	4201980	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	645341	4201980	1.14E-10	30YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	645441	4201980	1.12E-10	30YrCance	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	645541	4201980	1.09E-10	30YrCance	1.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	645641	4201980	1.07E-10	30YrCance	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	645741	4201980	1.04E-10	30YrCance	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	645841	4201980	1.03E-10	30YrCance	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	645941	4201980	1.01E-10	30YrCance	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	646041	4201980	9.82E-11	30YrCance	9.82E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	646141	4201980	9.51E-11	30YrCance	9.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	646241	4201980	9.16E-11	30YrCance	9.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	646341	4201980	8.78E-11	30YrCance	8.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	646441	4201980	8.40E-11	30YrCance	8.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	646541	4201980	8.02E-11	30YrCance	8.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	646641	4201980	7.65E-11	30YrCance	7.65E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

863	ALL	646741	4201980	7.28E-11	30YrCance	7.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	646841	4201980	6.93E-11	30YrCance	6.93E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	646941	4201980	6.60E-11	30YrCance	6.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	647041	4201980	6.29E-11	30YrCance	6.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	647141	4201980	5.99E-11	30YrCance	5.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	647241	4201980	5.71E-11	30YrCance	5.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	647341	4201980	5.45E-11	30YrCance	5.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	644341	4202080	7.25E-11	30YrCance	7.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	644441	4202080	7.72E-11	30YrCance	7.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	644541	4202080	8.18E-11	30YrCance	8.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	644641	4202080	8.63E-11	30YrCance	8.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	644741	4202080	9.04E-11	30YrCance	9.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	644841	4202080	9.40E-11	30YrCance	9.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	644941	4202080	9.69E-11	30YrCance	9.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	645041	4202080	9.88E-11	30YrCance	9.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	645141	4202080	9.97E-11	30YrCance	9.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	645241	4202080	9.96E-11	30YrCance	9.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	645341	4202080	9.84E-11	30YrCance	9.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	645441	4202080	9.67E-11	30YrCance	9.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	645541	4202080	9.42E-11	30YrCance	9.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	645641	4202080	9.22E-11	30YrCance	9.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	645741	4202080	9.06E-11	30YrCance	9.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	645841	4202080	8.93E-11	30YrCance	8.93E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	645941	4202080	8.80E-11	30YrCance	8.80E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	646041	4202080	8.60E-11	30YrCance	8.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	646141	4202080	8.36E-11	30YrCance	8.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	646241	4202080	8.09E-11	30YrCance	8.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	646341	4202080	7.79E-11	30YrCance	7.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	646441	4202080	7.47E-11	30YrCance	7.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	646541	4202080	7.16E-11	30YrCance	7.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	646641	4202080	6.86E-11	30YrCance	6.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	646741	4202080	6.57E-11	30YrCance	6.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	646841	4202080	6.28E-11	30YrCance	6.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	646941	4202080	6.00E-11	30YrCance	6.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	647041	4202080	5.74E-11	30YrCance	5.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	647141	4202080	5.49E-11	30YrCance	5.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	647241	4202080	5.25E-11	30YrCance	5.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	647341	4202080	5.03E-11	30YrCance	5.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	644341	4202180	6.87E-11	30YrCance	6.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	644441	4202180	7.25E-11	30YrCance	7.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	644541	4202180	7.62E-11	30YrCance	7.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	644641	4202180	7.96E-11	30YrCance	7.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	644741	4202180	8.25E-11	30YrCance	8.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	644841	4202180	8.49E-11	30YrCance	8.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	644941	4202180	8.67E-11	30YrCance	8.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	645041	4202180	8.78E-11	30YrCance	8.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	645141	4202180	8.80E-11	30YrCance	8.80E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	645241	4202180	8.75E-11	30YrCance	8.75E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

911	ALL	645341	4202180	8.60E-11	30YrCance	8.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	645441	4202180	8.43E-11	30YrCance	8.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	645541	4202180	8.22E-11	30YrCance	8.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	645641	4202180	8.07E-11	30YrCance	8.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	645741	4202180	7.96E-11	30YrCance	7.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	645841	4202180	7.86E-11	30YrCance	7.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	645941	4202180	7.74E-11	30YrCance	7.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	646041	4202180	7.60E-11	30YrCance	7.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	646141	4202180	7.42E-11	30YrCance	7.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	646241	4202180	7.20E-11	30YrCance	7.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	646341	4202180	6.97E-11	30YrCance	6.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	646441	4202180	6.73E-11	30YrCance	6.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	646541	4202180	6.47E-11	30YrCance	6.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	646641	4202180	6.21E-11	30YrCance	6.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	646741	4202180	5.94E-11	30YrCance	5.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	646841	4202180	5.70E-11	30YrCance	5.70E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	646941	4202180	5.47E-11	30YrCance	5.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	647041	4202180	5.26E-11	30YrCance	5.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	647141	4202180	5.04E-11	30YrCance	5.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	647241	4202180	4.84E-11	30YrCance	4.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	647341	4202180	4.65E-11	30YrCance	4.65E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	644341	4202280	6.47E-11	30YrCance	6.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	644441	4202280	6.77E-11	30YrCance	6.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	644541	4202280	7.06E-11	30YrCance	7.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	644641	4202280	7.31E-11	30YrCance	7.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	644741	4202280	7.52E-11	30YrCance	7.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	644841	4202280	7.69E-11	30YrCance	7.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	644941	4202280	7.79E-11	30YrCance	7.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	645041	4202280	7.84E-11	30YrCance	7.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	645141	4202280	7.82E-11	30YrCance	7.82E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	645241	4202280	7.71E-11	30YrCance	7.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	645341	4202280	7.57E-11	30YrCance	7.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	645441	4202280	7.40E-11	30YrCance	7.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	645541	4202280	7.25E-11	30YrCance	7.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	645641	4202280	7.13E-11	30YrCance	7.13E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	645741	4202280	7.04E-11	30YrCance	7.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	645841	4202280	6.96E-11	30YrCance	6.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	645941	4202280	6.87E-11	30YrCance	6.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	646041	4202280	6.77E-11	30YrCance	6.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	646141	4202280	6.64E-11	30YrCance	6.64E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	646241	4202280	6.48E-11	30YrCance	6.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	646341	4202280	6.29E-11	30YrCance	6.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	646441	4202280	6.07E-11	30YrCance	6.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	646541	4202280	5.86E-11	30YrCance	5.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	646641	4202280	5.65E-11	30YrCance	5.65E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	646741	4202280	5.43E-11	30YrCance	5.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	646841	4202280	5.23E-11	30YrCance	5.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	646941	4202280	5.03E-11	30YrCance	5.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

959	ALL	647041	4202280	4.84E-11	30YrCance	4.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	647141	4202280	4.66E-11	30YrCance	4.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	647241	4202280	4.48E-11	30YrCance	4.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	647341	4202280	4.31E-11	30YrCance	4.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	645946	4200732	1.03E-08	30YrCance	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	645933.7	4200897	6.61E-09	30YrCance	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	645889.9	4200890	7.48E-09	30YrCance	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	645847.2	4200866	9.80E-09	30YrCance	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	645698	4200718	8.24E-09	30YrCance	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	645704.7	4200712	8.29E-09	30YrCance	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

HARP2 - HRACalc (dated 22118) 12/2/2022 10:47:37 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

```
**********
TIER 2 SETTINGS
Tier2 not used.

**********

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA
EVALUATION\hra\ResidentialChronicOpsNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA
EVALUATION\hra\ResidentialChronicOpsNCChronicRiskSumByRec.csv
HRA ran successfully
```

*HARP - HRACalc v22118 12/2/2022 10:47:37 AM - Chronic Risk - Input File: C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\ResidentialChronicOpsHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		648148	4201091	NonCancer	0.00E+00	1.44E-09	0.00E+00	1.72E-10	1.72E-10	2.99E-10	3.64E-07	0.00E+00	4.57E-09	0.00E+00	1.72E-10	9.70E-08	0.00E+00	0.00E+00	3.64E-07
2	ALL		646506.5	4202112	NonCancer	0.00E+00	1.34E-09	0.00E+00	1.60E-10	1.60E-10	2.65E-10	3.38E-07	0.00E+00	4.25E-09	0.00E+00	1.60E-10	9.02E-08	0.00E+00	0.00E+00	3.38E-07
3	ALL		645939.2	4200707	NonCancer	0.00E+00	7.27E-08	0.00E+00	8.69E-09	8.69E-09	2.20E-08	1.95E-05	0.00E+00	2.30E-07	0.00E+00	8.69E-09	4.90E-06	0.00E+00	0.00E+00	1.95E-05
4	ALL		644341	4199280	NonCancer	0.00E+00	8.19E-10	0.00E+00	9.78E-11	9.78E-11	1.67E-10	2.07E-07	0.00E+00	2.59E-09	0.00E+00	9.78E-11	5.51E-08	0.00E+00	0.00E+00	2.07E-07
5	ALL		644441	4199280	NonCancer	0.00E+00	8.69E-10	0.00E+00	1.04E-10	1.04E-10	1.77E-10	2.19E-07	0.00E+00	2.75E-09	0.00E+00	1.04E-10	5.84E-08	0.00E+00	0.00E+00	2.19E-07
6	ALL		644541	4199280	NonCancer	0.00E+00	9.25E-10	0.00E+00	1.11E-10	1.11E-10	1.88E-10	2.34E-07	0.00E+00	2.93E-09	0.00E+00	1.11E-10	6.22E-08	0.00E+00	0.00E+00	2.34E-07
7	ALL		644641	4199280	NonCancer	0.00E+00	9.90E-10	0.00E+00	1.18E-10	1.18E-10	2.02E-10	2.50E-07	0.00E+00	3.14E-09	0.00E+00	1.18E-10	6.66E-08	0.00E+00	0.00E+00	2.50E-07
8	ALL		644741	4199280	NonCancer	0.00E+00	1.06E-09	0.00E+00	1.27E-10	1.27E-10	2.16E-10	2.68E-07	0.00E+00	3.37E-09	0.00E+00	1.27E-10	7.15E-08	0.00E+00	0.00E+00	2.68E-07
9	ALL		644841	4199280	NonCancer	0.00E+00	1.15E-09	0.00E+00	1.37E-10	1.37E-10	2.33E-10	2.89E-07	0.00E+00	3.63E-09	0.00E+00	1.37E-10	7.71E-08	0.00E+00	0.00E+00	2.89E-07
10	ALL		644941	4199280	NonCancer	0.00E+00	1.24E-09	0.00E+00	1.48E-10	1.48E-10	2.52E-10	3.12E-07	0.00E+00	3.92E-09	0.00E+00	1.48E-10	8.32E-08	0.00E+00	0.00E+00	3.12E-07
11	ALL		645041	4199280	NonCancer	0.00E+00	1.33E-09	0.00E+00	1.59E-10	1.59E-10	2.72E-10	3.36E-07	0.00E+00	4.22E-09	0.00E+00	1.59E-10	8.96E-08	0.00E+00	0.00E+00	3.36E-07
12	ALL		645141	4199280	NonCancer	0.00E+00	1.43E-09	0.00E+00	1.71E-10	1.71E-10	2.91E-10	3.60E-07	0.00E+00	4.52E-09	0.00E+00	1.71E-10	9.60E-08	0.00E+00	0.00E+00	3.60E-07
13	ALL		645241	4199280	NonCancer	0.00E+00	1.52E-09	0.00E+00	1.81E-10	1.81E-10	3.10E-10	3.83E-07	0.00E+00	4.80E-09	0.00E+00	1.81E-10	1.02E-07	0.00E+00	0.00E+00	3.83E-07
14	ALL		645341	4199280	NonCancer	0.00E+00	1.59E-09	0.00E+00	1.90E-10	1.90E-10	3.26E-10	4.02E-07	0.00E+00	5.04E-09	0.00E+00	1.90E-10	1.07E-07	0.00E+00	0.00E+00	4.02E-07
15	ALL		645441	4199280	NonCancer	0.00E+00	1.65E-09	0.00E+00	1.97E-10	1.97E-10	3.39E-10	4.17E-07	0.00E+00	5.23E-09	0.00E+00	1.97E-10	1.11E-07	0.00E+00	0.00E+00	4.17E-07
16	ALL		645541	4199280	NonCancer	0.00E+00	1.70E-09	0.00E+00	2.03E-10	2.03E-10	3.49E-10	4.29E-07	0.00E+00	5.38E-09	0.00E+00	2.03E-10	1.14E-07	0.00E+00	0.00E+00	4.29E-07
17	ALL		645641	4199280	NonCancer	0.00E+00	1.74E-09	0.00E+00	2.08E-10	2.08E-10	3.56E-10	4.39E-07	0.00E+00	5.50E-09	0.00E+00	2.08E-10	1.17E-07	0.00E+00	0.00E+00	4.39E-07
18	ALL		645741	4199280	NonCancer	0.00E+00	1.78E-09	0.00E+00	2.13E-10	2.13E-10	3.63E-10	4.50E-07	0.00E+00	5.64E-09	0.00E+00	2.13E-10	1.20E-07	0.00E+00	0.00E+00	4.50E-07
19	ALL		645841	4199280	NonCancer	0.00E+00	1.83E-09	0.00E+00	2.19E-10	2.19E-10	3.72E-10	4.63E-07	0.00E+00	5.81E-09	0.00E+00	2.19E-10	1.23E-07	0.00E+00	0.00E+00	4.63E-07
20	ALL		645941	4199280	NonCancer	0.00E+00	1.89E-09	0.00E+00	2.26E-10	2.26E-10	3.83E-10	4.78E-07	0.00E+00	5.99E-09	0.00E+00	2.26E-10	1.27E-07	0.00E+00	0.00E+00	4.78E-07
21	ALL		646041	4199280	NonCancer	0.00E+00	1.95E-09	0.00E+00	2.33E-10	2.33E-10	3.97E-10	4.93E-07	0.00E+00	6.19E-09	0.00E+00	2.33E-10	1.31E-07	0.00E+00	0.00E+00	4.93E-07
22	ALL		646141	4199280	NonCancer	0.00E+00	2.01E-09	0.00E+00	2.40E-10	2.40E-10	4.10E-10	5.08E-07	0.00E+00	6.38E-09	0.00E+00	2.40E-10	1.35E-07	0.00E+00	0.00E+00	5.08E-07
23	ALL		646241	4199280	NonCancer	0.00E+00	2.06E-09	0.00E+00	2.46E-10	2.46E-10	4.23E-10	5.21E-07	0.00E+00	6.53E-09	0.00E+00	2.46E-10	1.39E-07	0.00E+00	0.00E+00	5.21E-07
24	ALL		646341	4199280	NonCancer	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.32E-10	5.30E-07	0.00E+00	6.65E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.30E-07
25	ALL		646441	4199280	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.54E-10	2.54E-10	4.38E-10	5.36E-07	0.00E+00	6.72E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.36E-07
26	ALL		646541	4199280	NonCancer	0.00E+00	2.13E-09	0.00E+00	2.54E-10	2.54E-10	4.40E-10	5.38E-07	0.00E+00	6.75E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.38E-07
27	ALL		646641	4199280	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.54E-10	2.54E-10	4.38E-10	5.36E-07	0.00E+00	6.72E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.36E-07
28	ALL		646741	4199280	NonCancer	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.34E-10	5.31E-07	0.00E+00	6.66E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.31E-07
29	ALL		646841	4199280	NonCancer	0.00E+00	2.07E-09	0.00E+00	2.48E-10	2.48E-10	4.27E-10	5.23E-07	0.00E+00	6.57E-09	0.00E+00	2.48E-10	1.39E-07	0.00E+00	0.00E+00	5.23E-07
30	ALL		646941	4199280	NonCancer	0.00E+00	2.03E-09	0.00E+00	2.43E-10	2.43E-10	4.19E-10	5.13E-07	0.00E+00	6.44E-09	0.00E+00	2.43E-10	1.37E-07	0.00E+00	0.00E+00	5.13E-07
31	ALL		647041	4199280	NonCancer	0.00E+00	1.99E-09	0.00E+00	2.37E-10	2.37E-10	4.10E-10	5.01E-07	0.00E+00	6.29E-09	0.00E+00	2.37E-10	1.33E-07	0.00E+00	0.00E+00	5.01E-07
32	ALL		647141	4199280	NonCancer	0.00E+00	1.93E-09	0.00E+00	2.31E-10	2.31E-10	3.99E-10	4.88E-07	0.00E+00	6.12E-09	0.00E+00	2.31E-10	1.30E-07	0.00E+00	0.00E+00	4.88E-07
33	ALL		647241	4199280	NonCancer	0.00E+00	1.88E-09	0.00E+00	2.24E-10	2.24E-10	3.89E-10	4.74E-07	0.00E+00	5.94E-09	0.00E+00	2.24E-10	1.26E-07	0.00E+00	0.00E+00	4.74E-07
34	ALL		647341	4199280	NonCancer	0.00E+00	1.82E-09	0.00E+00	2.17E-10	2.17E-10	3.77E-10	4.59E-07	0.00E+00	5.76E-09	0.00E+00	2.17E-10	1.22E-07	0.00E+00	0.00E+00	4.59E-07
35	ALL		644341	4199380	NonCancer	0.00E+00	8.66E-10	0.00E+00	1.03E-10	1.03E-10	1.76E-10	2.19E-07	0.00E+00	2.74E-09	0.00E+00	1.03E-10	5.82E-08	0.00E+00	0.00E+00	2.19E-07
36	ALL		644441	4199380	NonCancer	0.00E+00	9.19E-10	0.00E+00	1.10E-10	1.10E-10	1.87E-10	2.32E-07	0.00E+00	2.91E-09	0.00E+00	1.10E-10	6.18E-08	0.00E+00	0.00E+00	2.32E-07
37	ALL		644541	4199380	NonCancer	0.00E+00	9.80E-10	0.00E+00	1.17E-10	1.17E-10	1.99E-10	2.47E-07	0.00E+00	3.10E-09	0.00E+00	1.17E-10	6.59E-08	0.00E+00	0.00E+00	2.47E-07
38	ALL		644641	4199380	NonCancer	0.00E+00	1.05E-09	0.00E+00	1.25E-10	1.25E-10	2.13E-10	2.65E-07	0.00E+00	3.32E-09	0.00E+00	1.25E-10	7.05E-08	0.00E+00	0.00E+00	2.65E-07
39	ALL		644741	4199380	NonCancer	0.00E+00	1.13E-09	0.00E+00	1.35E-10	1.35E-10	2.29E-10	2.85E-07	0.00E+00	3.58E-09	0.00E+00	1.35E-10	7.59E-08	0.00E+00	0.00E+00	2.85E-07
40	ALL		644841	4199380	NonCancer	0.00E+00	1.22E-09	0.00E+00	1.46E-10	1.46E-10	2.48E-10	3.08E-07	0.00E+00	3.87E-09	0.00E+00	1.46E-10	8.21E-08	0.00E+00	0.00E+00	3.08E-07
41	ALL		644941	4199380	NonCancer	0.00E+00	1.32E-09	0.00E+00	1.58E-10	1.58E-10	2.69E-10	3.34E-07	0.00E+00	4.19E-09	0.00E+00	1.58E-10	8.90E-08	0.00E+00	0.00E+00	3.34E-07
42	ALL		645041	4199380	NonCancer	0.00E+00	1.43E-09	0.00E+00	1.71E-10	1.71E-10	2.92E-10	3.62E-07	0.00E+00	4.54E-09	0.00E+00	1.71E-10	9.65E-08	0.00E+00	0.00E+00	3.62E-07
43	ALL		645141	4199380	NonCancer	0.00E+00	1.55E-09	0.00E+00	1.85E-10	1.85E-10	3.15E-10	3.91E-07	0.00E+00	4.90E-09	0.00E+00	1.85E-10	1.04E-07	0.00E+00	0.00E+00	3.91E-07
44	ALL		645241	4199380	NonCancer	0.00E+00	1.66E-09	0.00E+00	1.98E-10	1.98E-10	3.38E-10	4.18E-07	0.00E+00	5.25E-09	0.00E+00	1.98E-10	1.11E-07	0.00E+00	0.00E+00	4.18E-07
45	ALL		645341	4199380	NonCancer	0.00E+00	1.75E-09	0.00E+00	2.09E-10	2.09E-10	3.59E-10	4.43E-07	0.00E+00	5.55E-09	0.00E+00	2.09E-10	1.18E-07	0.00E+00	0.00E+00	4.43E-07
46	ALL		645441	4199380	NonCancer	0.00E+00	1.83E-09	0.00E+00	2.19E-10	2.19E-10	3.75E-10	4.62E-07	0.00E+00	5.80E-09	0.00E+00	2.19E-10	1.23E-07	0.00E+00	0.00E+00	4.62E-07
47	ALL		645541	4199380	NonCancer	0.00E+00	1.89E-09	0.00E+00	2.26E-10	2.26E-10	3.88E-10	4.77E-07	0.00E+00	5.99E-09	0.00E+00	2.26E-10	1.27E-07	0.00E+00	0.00E+00	4.77E-07
48	ALL		645641	4199380	NonCancer	0.00E+00	1.94E-09	0.00E+00	2.32E-10	2.32E-10	3.97E-10	4.90E-07	0.00E+00	6.15E-09	0.00E+00	2.32E-10	1.31E-07	0.00E+00	0.00E+00	4.90E-07
49	ALL		645741	4199380	NonCancer	0.00E+00	2.00E-09	0.00E+00	2.38E-10	2.38E-10	4.06E-10	5.04E-07	0.00E+00	6.32E-09	0.00E+00	2.38E-10	1.34E-07	0.00E+00	0.00E+00	5.04E-07
50	ALL		645841	4199380	NonCancer	0.00E+00	2.06E-09	0.00E+00	2.46E-10	2.46E-10	4.17E-10	5.20E-07	0.00E+00	6.53E-09	0.00E+00	2.46E-10	1.39E-07	0.00E+00	0.00E+00	5.20E-07
51	ALL		645941	4199380	NonCancer	0.00E+00	2.13E-09	0.00E+00	2.55E-10	2.55E-10	4.31E-10	5.39E-07	0.00E+00	6.76E-09	0.00E+00	2.55E-10	1.44E-07	0.00E+00	0.00E+00	5.39E-07

52	ALL	646041	4199380	NonCancer	0.00E+00	2.21E-09	0.00E+00	2.64E-10	2.64E-10	4.47E-10	5.57E-07	0.00E+00	6.99E-09	0.00E+00	2.64E-10	1.48E-07	0.00E+00	0.00E+00	5.57E-07
53	ALL	646141	4199380	NonCancer	0.00E+00	2.27E-09	0.00E+00	2.71E-10	2.71E-10	4.63E-10	5.74E-07	0.00E+00	7.20E-09	0.00E+00	2.71E-10	1.53E-07	0.00E+00	0.00E+00	5.74E-07
54	ALL	646241	4199380	NonCancer	0.00E+00	2.33E-09	0.00E+00	2.78E-10	2.78E-10	4.76E-10	5.87E-07	0.00E+00	7.36E-09	0.00E+00	2.78E-10	1.56E-07	0.00E+00	0.00E+00	5.87E-07
55	ALL	646341	4199380	NonCancer	0.00E+00	2.36E-09	0.00E+00	2.82E-10	2.82E-10	4.86E-10	5.97E-07	0.00E+00	7.48E-09	0.00E+00	2.82E-10	1.59E-07	0.00E+00	0.00E+00	5.97E-07
56	ALL	646441	4199380	NonCancer	0.00E+00	2.38E-09	0.00E+00	2.84E-10	2.84E-10	4.91E-10	6.01E-07	0.00E+00	7.54E-09	0.00E+00	2.84E-10	1.60E-07	0.00E+00	0.00E+00	6.01E-07
57	ALL	646541	4199380	NonCancer	0.00E+00	2.38E-09	0.00E+00	2.85E-10	2.85E-10	4.92E-10	6.02E-07	0.00E+00	7.55E-09	0.00E+00	2.85E-10	1.60E-07	0.00E+00	0.00E+00	6.02E-07
58	ALL	646641	4199380	NonCancer	0.00E+00	2.37E-09	0.00E+00	2.83E-10	2.83E-10	4.88E-10	5.98E-07	0.00E+00	7.50E-09	0.00E+00	2.83E-10	1.59E-07	0.00E+00	0.00E+00	5.98E-07
59	ALL	646741	4199380	NonCancer	0.00E+00	2.34E-09	0.00E+00	2.79E-10	2.79E-10	4.81E-10	5.90E-07	0.00E+00	7.40E-09	0.00E+00	2.79E-10	1.57E-07	0.00E+00	0.00E+00	5.90E-07
60	ALL	646841	4199380	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.74E-10	2.74E-10	4.72E-10	5.79E-07	0.00E+00	7.26E-09	0.00E+00	2.74E-10	1.54E-07	0.00E+00	0.00E+00	5.79E-07
61	ALL	646941	4199380	NonCancer	0.00E+00	2.24E-09	0.00E+00	2.67E-10	2.67E-10	4.61E-10	5.65E-07	0.00E+00	7.09E-09	0.00E+00	2.67E-10	1.50E-07	0.00E+00	0.00E+00	5.65E-07
62	ALL	647041	4199380	NonCancer	0.00E+00	2.18E-09	0.00E+00	2.60E-10	2.60E-10	4.50E-10	5.50E-07	0.00E+00	6.89E-09	0.00E+00	2.60E-10	1.46E-07	0.00E+00	0.00E+00	5.50E-07
63	ALL	647141	4199380	NonCancer	0.00E+00	2.11E-09	0.00E+00	2.52E-10	2.52E-10	4.36E-10	5.33E-07	0.00E+00	6.68E-09	0.00E+00	2.52E-10	1.42E-07	0.00E+00	0.00E+00	5.33E-07
64	ALL	647241	4199380	NonCancer	0.00E+00	2.04E-09	0.00E+00	2.43E-10	2.43E-10	4.22E-10	5.15E-07	0.00E+00	6.45E-09	0.00E+00	2.43E-10	1.37E-07	0.00E+00	0.00E+00	5.15E-07
65	ALL	647341	4199380	NonCancer	0.00E+00	1.96E-09	0.00E+00	2.35E-10	2.35E-10	4.08E-10	4.96E-07	0.00E+00	6.22E-09	0.00E+00	2.35E-10	1.32E-07	0.00E+00	0.00E+00	4.96E-07
66	ALL	644341	4199480	NonCancer	0.00E+00	9.18E-10	0.00E+00	1.10E-10	1.10E-10	1.87E-10	2.32E-07	0.00E+00	2.91E-09	0.00E+00	1.10E-10	6.17E-08	0.00E+00	0.00E+00	2.32E-07
67	ALL	644441	4199480	NonCancer	0.00E+00	9.76E-10	0.00E+00	1.17E-10	1.17E-10	1.98E-10	2.46E-07	0.00E+00	3.09E-09	0.00E+00	1.17E-10	6.56E-08	0.00E+00	0.00E+00	2.46E-07
68	ALL	644541	4199480	NonCancer	0.00E+00	1.04E-09	0.00E+00	1.24E-10	1.24E-10	2.11E-10	2.63E-07	0.00E+00	3.30E-09	0.00E+00	1.24E-10	7.00E-08	0.00E+00	0.00E+00	2.63E-07
69	ALL	644641	4199480	NonCancer	0.00E+00	1.12E-09	0.00E+00	1.33E-10	1.33E-10	2.26E-10	2.82E-07	0.00E+00	3.53E-09	0.00E+00	1.33E-10	7.50E-08	0.00E+00	0.00E+00	2.82E-07
70	ALL	644741	4199480	NonCancer	0.00E+00	1.20E-09	0.00E+00	1.44E-10	1.44E-10	2.44E-10	3.03E-07	0.00E+00	3.81E-09	0.00E+00	1.44E-10	8.08E-08	0.00E+00	0.00E+00	3.03E-07
71	ALL	644841	4199480	NonCancer	0.00E+00	1.30E-09	0.00E+00	1.56E-10	1.56E-10	2.64E-10	3.29E-07	0.00E+00	4.13E-09	0.00E+00	1.56E-10	8.76E-08	0.00E+00	0.00E+00	3.29E-07
72	ALL	644941	4199480	NonCancer	0.00E+00	1.42E-09	0.00E+00	1.70E-10	1.70E-10	2.87E-10	3.58E-07	0.00E+00	4.50E-09	0.00E+00	1.70E-10	9.54E-08	0.00E+00	0.00E+00	3.58E-07
73	ALL	645041	4199480	NonCancer	0.00E+00	1.55E-09	0.00E+00	1.85E-10	1.85E-10	3.14E-10	3.91E-07	0.00E+00	4.90E-09	0.00E+00	1.85E-10	1.04E-07	0.00E+00	0.00E+00	3.91E-07
74	ALL	645141	4199480	NonCancer	0.00E+00	1.68E-09	0.00E+00	2.01E-10	2.01E-10	3.42E-10	4.25E-07	0.00E+00	5.33E-09	0.00E+00	2.01E-10	1.13E-07	0.00E+00	0.00E+00	4.25E-07
75	ALL	645241	4199480	NonCancer	0.00E+00	1.82E-09	0.00E+00	2.17E-10	2.17E-10	3.70E-10	4.59E-07	0.00E+00	5.76E-09	0.00E+00	2.17E-10	1.22E-07	0.00E+00	0.00E+00	4.59E-07
76	ALL	645341	4199480	NonCancer	0.00E+00	1.94E-09	0.00E+00	2.32E-10	2.32E-10	3.96E-10	4.90E-07	0.00E+00	6.15E-09	0.00E+00	2.32E-10	1.30E-07	0.00E+00	0.00E+00	4.90E-07
77	ALL	645441	4199480	NonCancer	0.00E+00	2.04E-09	0.00E+00	2.44E-10	2.44E-10	4.18E-10	5.15E-07	0.00E+00	6.46E-09	0.00E+00	2.44E-10	1.37E-07	0.00E+00	0.00E+00	5.15E-07
78	ALL	645541	4199480	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.53E-10	2.53E-10	4.34E-10	5.35E-07	0.00E+00	6.71E-09	0.00E+00	2.53E-10	1.42E-07	0.00E+00	0.00E+00	5.35E-07
79	ALL	645641	4199480	NonCancer	0.00E+00	2.19E-09	0.00E+00	2.61E-10	2.61E-10	4.47E-10	5.52E-07	0.00E+00	6.92E-09	0.00E+00	2.61E-10	1.47E-07	0.00E+00	0.00E+00	5.52E-07
80	ALL	645741	4199480	NonCancer	0.00E+00	2.26E-09	0.00E+00	2.70E-10	2.70E-10	4.59E-10	5.70E-07	0.00E+00	7.15E-09	0.00E+00	2.70E-10	1.52E-07	0.00E+00	0.00E+00	5.70E-07
81	ALL	645841	4199480	NonCancer	0.00E+00	2.34E-09	0.00E+00	2.79E-10	2.79E-10	4.72E-10	5.90E-07	0.00E+00	7.41E-09	0.00E+00	2.79E-10	1.57E-07	0.00E+00	0.00E+00	5.90E-07
82	ALL	645941	4199480	NonCancer	0.00E+00	2.43E-09	0.00E+00	2.90E-10	2.90E-10	4.90E-10	6.13E-07	0.00E+00	7.70E-09	0.00E+00	2.90E-10	1.63E-07	0.00E+00	0.00E+00	6.13E-07
83	ALL	646041	4199480	NonCancer	0.00E+00	2.52E-09	0.00E+00	3.01E-10	3.01E-10	5.09E-10	6.35E-07	0.00E+00	7.97E-09	0.00E+00	3.01E-10	1.69E-07	0.00E+00	0.00E+00	6.35E-07
84	ALL	646141	4199480	NonCancer	0.00E+00	2.59E-09	0.00E+00	3.09E-10	3.09E-10	5.27E-10	6.54E-07	0.00E+00	8.20E-09	0.00E+00	3.09E-10	1.74E-07	0.00E+00	0.00E+00	6.54E-07
85	ALL	646241	4199480	NonCancer	0.00E+00	2.64E-09	0.00E+00	3.16E-10	3.16E-10	5.42E-10	6.68E-07	0.00E+00	8.37E-09	0.00E+00	3.16E-10	1.78E-07	0.00E+00	0.00E+00	6.68E-07
86	ALL	646341	4199480	NonCancer	0.00E+00	2.68E-09	0.00E+00	3.20E-10	3.20E-10	5.51E-10	6.76E-07	0.00E+00	8.48E-09	0.00E+00	3.20E-10	1.80E-07	0.00E+00	0.00E+00	6.76E-07
87	ALL	646441	4199480	NonCancer	0.00E+00	2.69E-09	0.00E+00	3.21E-10	3.21E-10	5.55E-10	6.80E-07	0.00E+00	8.52E-09	0.00E+00	3.21E-10	1.81E-07	0.00E+00	0.00E+00	6.80E-07
88	ALL	646541	4199480	NonCancer	0.00E+00	2.68E-09	0.00E+00	3.20E-10	3.20E-10	5.53E-10	6.78E-07	0.00E+00	8.50E-09	0.00E+00	3.20E-10	1.80E-07	0.00E+00	0.00E+00	6.78E-07
89	ALL	646641	4199480	NonCancer	0.00E+00	2.66E-09	0.00E+00	3.17E-10	3.17E-10	5.47E-10	6.71E-07	0.00E+00	8.41E-09	0.00E+00	3.17E-10	1.79E-07	0.00E+00	0.00E+00	6.71E-07
90	ALL	646741	4199480	NonCancer	0.00E+00	2.61E-09	0.00E+00	3.12E-10	3.12E-10	5.37E-10	6.59E-07	0.00E+00	8.26E-09	0.00E+00	3.12E-10	1.75E-07	0.00E+00	0.00E+00	6.59E-07
91	ALL	646841	4199480	NonCancer	0.00E+00	2.55E-09	0.00E+00	3.04E-10	3.04E-10	5.25E-10	6.43E-07	0.00E+00	8.07E-09	0.00E+00	3.04E-10	1.71E-07	0.00E+00	0.00E+00	6.43E-07
92	ALL	646941	4199480	NonCancer	0.00E+00	2.47E-09	0.00E+00	2.95E-10	2.95E-10	5.10E-10	6.25E-07	0.00E+00	7.83E-09	0.00E+00	2.95E-10	1.66E-07	0.00E+00	0.00E+00	6.25E-07
93	ALL	647041	4199480	NonCancer	0.00E+00	2.39E-09	0.00E+00	2.86E-10	2.86E-10	4.94E-10	6.04E-07	0.00E+00	7.58E-09	0.00E+00	2.86E-10	1.61E-07	0.00E+00	0.00E+00	6.04E-07
94	ALL	647141	4199480	NonCancer	0.00E+00	2.31E-09	0.00E+00	2.75E-10	2.75E-10	4.77E-10	5.82E-07	0.00E+00	7.30E-09	0.00E+00	2.75E-10	1.55E-07	0.00E+00	0.00E+00	5.82E-07
95	ALL	647241	4199480	NonCancer	0.00E+00	2.21E-09	0.00E+00	2.64E-10	2.64E-10	4.59E-10	5.59E-07	0.00E+00	7.01E-09	0.00E+00	2.64E-10	1.49E-07	0.00E+00	0.00E+00	5.59E-07
96	ALL	647341	4199480	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.53E-10	2.53E-10	4.40E-10	5.36E-07	0.00E+00	6.72E-09	0.00E+00	2.53E-10	1.43E-07	0.00E+00	0.00E+00	5.36E-07
97	ALL	644341	4199580	NonCancer	0.00E+00	9.75E-10	0.00E+00	1.16E-10	1.16E-10	1.98E-10	2.46E-07	0.00E+00	3.09E-09	0.00E+00	1.16E-10	6.55E-08	0.00E+00	0.00E+00	2.46E-07
98	ALL	644441	4199580	NonCancer	0.00E+00	1.04E-09	0.00E+00	1.24E-10	1.24E-10	2.11E-10	2.62E-07	0.00E+00	3.29E-09	0.00E+00	1.24E-10	6.98E-08	0.00E+00	0.00E+00	2.62E-07
99	ALL	644541	4199580	NonCancer	0.00E+00	1.11E-09	0.00E+00	1.33E-10	1.33E-10	2.25E-10	2.80E-07	0.00E+00	3.52E-09	0.00E+00	1.33E-10	7.46E-08	0.00E+00	0.00E+00	2.80E-07
100	ALL	644641	4199580	NonCancer	0.00E+00	1.19E-09	0.00E+00	1.42E-10	1.42E-10	2.41E-10	3.01E-07	0.00E+00	3.77E-09	0.00E+00	1.42E-10	8.01E-08	0.00E+00	0.00E+00	3.01E-07
101	ALL	644741	4199580	NonCancer	0.00E+00	1.29E-09	0.00E+00	1.54E-10	1.54E-10	2.60E-10	3.24E-07	0.00E+00	4.07E-09	0.00E+00	1.54E-10	8.64E-08	0.00E+00	0.00E+00	3.24E-07
102	ALL	644841	4199580	NonCancer	0.00E+00	1.40E-09	0.00E+00	1.67E-10	1.67E-10	2.82E-10	3.52E-07	0.00E+00	4.42E-09	0.00E+00	1.67E-10	9.39E-08	0.00E+00	0.00E+00	3.52E-07
103	ALL	644941	4199580	NonCancer	0.00E+00	1.53E-09	0.00E+00	1.82E-10	1.82E-10	3.08E-10	3.85E-07	0.00E+00	4.83E-09	0.00E+00	1.82E-10	1.03E-07	0.00E+00	0.00E+00	3.85E-07
104	ALL	645041	4199580	NonCancer	0.00E+00	1.68E-09	0.00E+00	2.00E-10	2.00E-10	3.38E-10	4.23E-07	0.00E+00	5.30E-09	0.00E+00	2.00E-10	1.13E-07	0.00E+00	0.00E+00	4.23E-07

105	ALL	645141	4199580	NonCancer	0.00E+00	1.84E-09	0.00E+00	2.20E-10	2.20E-10	3.71E-10	4.64E-07	0.00E+00	5.82E-09	0.00E+00	2.20E-10	1.24E-07	0.00E+00	0.00E+00	4.64E-07
106	ALL	645241	4199580	NonCancer	0.00E+00	2.00E-09	0.00E+00	2.39E-10	2.39E-10	4.06E-10	5.06E-07	0.00E+00	6.35E-09	0.00E+00	2.39E-10	1.35E-07	0.00E+00	0.00E+00	5.06E-07
107	ALL	645341	4199580	NonCancer	0.00E+00	2.16E-09	0.00E+00	2.58E-10	2.58E-10	4.39E-10	5.45E-07	0.00E+00	6.84E-09	0.00E+00	2.58E-10	1.45E-07	0.00E+00	0.00E+00	5.45E-07
108	ALL	645441	4199580	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.74E-10	2.74E-10	4.67E-10	5.79E-07	0.00E+00	7.26E-09	0.00E+00	2.74E-10	1.54E-07	0.00E+00	0.00E+00	5.79E-07
109	ALL	645541	4199580	NonCancer	0.00E+00	2.40E-09	0.00E+00	2.86E-10	2.86E-10	4.90E-10	6.05E-07	0.00E+00	7.59E-09	0.00E+00	2.86E-10	1.61E-07	0.00E+00	0.00E+00	6.05E-07
110	ALL	645641	4199580	NonCancer	0.00E+00	2.48E-09	0.00E+00	2.97E-10	2.97E-10	5.07E-10	6.27E-07	0.00E+00	7.87E-09	0.00E+00	2.97E-10	1.67E-07	0.00E+00	0.00E+00	6.27E-07
111	ALL	645741	4199580	NonCancer	0.00E+00	2.58E-09	0.00E+00	3.08E-10	3.08E-10	5.22E-10	6.50E-07	0.00E+00	8.16E-09	0.00E+00	3.08E-10	1.73E-07	0.00E+00	0.00E+00	6.50E-07
112	ALL	645841	4199580	NonCancer	0.00E+00	2.68E-09	0.00E+00	3.21E-10	3.21E-10	5.40E-10	6.77E-07	0.00E+00	8.50E-09	0.00E+00	3.21E-10	1.80E-07	0.00E+00	0.00E+00	6.77E-07
113	ALL	645941	4199580	NonCancer	0.00E+00	2.80E-09	0.00E+00	3.34E-10	3.34E-10	5.62E-10	7.06E-07	0.00E+00	8.86E-09	0.00E+00	3.34E-10	1.88E-07	0.00E+00	0.00E+00	7.06E-07
114	ALL	646041	4199580	NonCancer	0.00E+00	2.90E-09	0.00E+00	3.46E-10	3.46E-10	5.85E-10	7.32E-07	0.00E+00	9.18E-09	0.00E+00	3.46E-10	1.95E-07	0.00E+00	0.00E+00	7.32E-07
115	ALL	646141	4199580	NonCancer	0.00E+00	2.98E-09	0.00E+00	3.56E-10	3.56E-10	6.06E-10	7.52E-07	0.00E+00	9.43E-09	0.00E+00	3.56E-10	2.00E-07	0.00E+00	0.00E+00	7.52E-07
116	ALL	646241	4199580	NonCancer	0.00E+00	3.03E-09	0.00E+00	3.62E-10	3.62E-10	6.22E-10	7.66E-07	0.00E+00	9.61E-09	0.00E+00	3.62E-10	2.04E-07	0.00E+00	0.00E+00	7.66E-07
117	ALL	646341	4199580	NonCancer	0.00E+00	3.06E-09	0.00E+00	3.66E-10	3.66E-10	6.31E-10	7.74E-07	0.00E+00	9.70E-09	0.00E+00	3.66E-10	2.06E-07	0.00E+00	0.00E+00	7.74E-07
118	ALL	646441	4199580	NonCancer	0.00E+00	3.07E-09	0.00E+00	3.66E-10	3.66E-10	6.32E-10	7.75E-07	0.00E+00	9.71E-09	0.00E+00	3.66E-10	2.06E-07	0.00E+00	0.00E+00	7.75E-07
119	ALL	646541	4199580	NonCancer	0.00E+00	3.04E-09	0.00E+00	3.64E-10	3.64E-10	6.27E-10	7.69E-07	0.00E+00	9.64E-09	0.00E+00	3.64E-10	2.05E-07	0.00E+00	0.00E+00	7.69E-07
120	ALL	646641	4199580	NonCancer	0.00E+00	3.00E-09	0.00E+00	3.58E-10	3.58E-10	6.17E-10	7.57E-07	0.00E+00	9.49E-09	0.00E+00	3.58E-10	2.02E-07	0.00E+00	0.00E+00	7.57E-07
121	ALL	646741	4199580	NonCancer	0.00E+00	2.93E-09	0.00E+00	3.50E-10	3.50E-10	6.03E-10	7.40E-07	0.00E+00	9.27E-09	0.00E+00	3.50E-10	1.97E-07	0.00E+00	0.00E+00	7.40E-07
122	ALL	646841	4199580	NonCancer	0.00E+00	2.84E-09	0.00E+00	3.39E-10	3.39E-10	5.86E-10	7.18E-07	0.00E+00	9.00E-09	0.00E+00	3.39E-10	1.91E-07	0.00E+00	0.00E+00	7.18E-07
123	ALL	646941	4199580	NonCancer	0.00E+00	2.74E-09	0.00E+00	3.27E-10	3.27E-10	5.66E-10	6.92E-07	0.00E+00	8.68E-09	0.00E+00	3.27E-10	1.84E-07	0.00E+00	0.00E+00	6.92E-07
124	ALL	647041	4199580	NonCancer	0.00E+00	2.63E-09	0.00E+00	3.15E-10	3.15E-10	5.45E-10	6.65E-07	0.00E+00	8.34E-09	0.00E+00	3.15E-10	1.77E-07	0.00E+00	0.00E+00	6.65E-07
125	ALL	647141	4199580	NonCancer	0.00E+00	2.52E-09	0.00E+00	3.01E-10	3.01E-10	5.22E-10	6.37E-07	0.00E+00	7.98E-09	0.00E+00	3.01E-10	1.70E-07	0.00E+00	0.00E+00	6.37E-07
126	ALL	647241	4199580	NonCancer	0.00E+00	2.41E-09	0.00E+00	2.87E-10	2.87E-10	4.99E-10	6.07E-07	0.00E+00	7.62E-09	0.00E+00	2.87E-10	1.62E-07	0.00E+00	0.00E+00	6.07E-07
127	ALL	647341	4199580	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.73E-10	2.73E-10	4.75E-10	5.78E-07	0.00E+00	7.25E-09	0.00E+00	2.73E-10	1.54E-07	0.00E+00	0.00E+00	5.78E-07
128	ALL	644341	4199680	NonCancer	0.00E+00	1.04E-09	0.00E+00	1.24E-10	1.24E-10	2.11E-10	2.62E-07	0.00E+00	3.28E-09	0.00E+00	1.24E-10	6.97E-08	0.00E+00	0.00E+00	2.62E-07
129	ALL	644441	4199680	NonCancer	0.00E+00	1.11E-09	0.00E+00	1.32E-10	1.32E-10	2.25E-10	2.80E-07	0.00E+00	3.51E-09	0.00E+00	1.32E-10	7.45E-08	0.00E+00	0.00E+00	2.80E-07
130	ALL	644541	4199680	NonCancer	0.00E+00	1.19E-09	0.00E+00	1.42E-10	1.42E-10	2.41E-10	3.00E-07	0.00E+00	3.76E-09	0.00E+00	1.42E-10	7.99E-08	0.00E+00	0.00E+00	3.00E-07
131	ALL	644641	4199680	NonCancer	0.00E+00	1.28E-09	0.00E+00	1.53E-10	1.53E-10	2.59E-10	3.22E-07	0.00E+00	4.05E-09	0.00E+00	1.53E-10	8.59E-08	0.00E+00	0.00E+00	3.22E-07
132	ALL	644741	4199680	NonCancer	0.00E+00	1.38E-09	0.00E+00	1.65E-10	1.65E-10	2.79E-10	3.49E-07	0.00E+00	4.37E-09	0.00E+00	1.65E-10	9.29E-08	0.00E+00	0.00E+00	3.49E-07
133	ALL	644841	4199680	NonCancer	0.00E+00	1.50E-09	0.00E+00	1.80E-10	1.80E-10	3.03E-10	3.79E-07	0.00E+00	4.76E-09	0.00E+00	1.80E-10	1.01E-07	0.00E+00	0.00E+00	3.79E-07
134	ALL	644941	4199680	NonCancer	0.00E+00	1.65E-09	0.00E+00	1.97E-10	1.97E-10	3.32E-10	4.16E-07	0.00E+00	5.22E-09	0.00E+00	1.97E-10	1.11E-07	0.00E+00	0.00E+00	4.16E-07
135	ALL	645041	4199680	NonCancer	0.00E+00	1.82E-09	0.00E+00	2.17E-10	2.17E-10	3.66E-10	4.59E-07	0.00E+00	5.76E-09	0.00E+00	2.17E-10	1.22E-07	0.00E+00	0.00E+00	4.59E-07
136	ALL	645141	4199680	NonCancer	0.00E+00	2.01E-09	0.00E+00	2.40E-10	2.40E-10	4.05E-10	5.08E-07	0.00E+00	6.37E-09	0.00E+00	2.40E-10	1.35E-07	0.00E+00	0.00E+00	5.08E-07
137	ALL	645241	4199680	NonCancer	0.00E+00	2.22E-09	0.00E+00	2.65E-10	2.65E-10	4.47E-10	5.60E-07	0.00E+00	7.03E-09	0.00E+00	2.65E-10	1.49E-07	0.00E+00	0.00E+00	5.60E-07
138	ALL	645341	4199680	NonCancer	0.00E+00	2.42E-09	0.00E+00	2.89E-10	2.89E-10	4.89E-10	6.11E-07	0.00E+00	7.67E-09	0.00E+00	2.89E-10	1.63E-07	0.00E+00	0.00E+00	6.11E-07
139	ALL	645441	4199680	NonCancer	0.00E+00	2.60E-09	0.00E+00	3.10E-10	3.10E-10	5.27E-10	6.55E-07	0.00E+00	8.22E-09	0.00E+00	3.10E-10	1.74E-07	0.00E+00	0.00E+00	6.55E-07
140	ALL	645541	4199680	NonCancer	0.00E+00	2.73E-09	0.00E+00	3.27E-10	3.27E-10	5.57E-10	6.91E-07	0.00E+00	8.66E-09	0.00E+00	3.27E-10	1.84E-07	0.00E+00	0.00E+00	6.91E-07
141	ALL	645641	4199680	NonCancer	0.00E+00	2.85E-09	0.00E+00	3.41E-10	3.41E-10	5.81E-10	7.20E-07	0.00E+00	9.03E-09	0.00E+00	3.41E-10	1.92E-07	0.00E+00	0.00E+00	7.20E-07
142	ALL	645741	4199680	NonCancer	0.00E+00	2.98E-09	0.00E+00	3.56E-10	3.56E-10	6.02E-10	7.51E-07	0.00E+00	9.43E-09	0.00E+00	3.56E-10	2.00E-07	0.00E+00	0.00E+00	7.51E-07
143	ALL	645841	4199680	NonCancer	0.00E+00	3.12E-09	0.00E+00	3.72E-10	3.72E-10	6.25E-10	7.87E-07	0.00E+00	9.88E-09	0.00E+00	3.72E-10	2.10E-07	0.00E+00	0.00E+00	7.87E-07
144	ALL	645941	4199680	NonCancer	0.00E+00	3.26E-09	0.00E+00	3.90E-10	3.90E-10	6.52E-10	8.23E-07	0.00E+00	1.03E-08	0.00E+00	3.90E-10	2.19E-07	0.00E+00	0.00E+00	8.23E-07
145	ALL	646041	4199680	NonCancer	0.00E+00	3.38E-09	0.00E+00	4.04E-10	4.04E-10	6.80E-10	8.53E-07	0.00E+00	1.07E-08	0.00E+00	4.04E-10	2.27E-07	0.00E+00	0.00E+00	8.53E-07
146	ALL	646141	4199680	NonCancer	0.00E+00	3.47E-09	0.00E+00	4.14E-10	4.14E-10	7.05E-10	8.76E-07	0.00E+00	1.10E-08	0.00E+00	4.14E-10	2.33E-07	0.00E+00	0.00E+00	8.76E-07
147	ALL	646241	4199680	NonCancer	0.00E+00	3.52E-09	0.00E+00	4.20E-10	4.20E-10	7.21E-10	8.89E-07	0.00E+00	1.11E-08	0.00E+00	4.20E-10	2.37E-07	0.00E+00	0.00E+00	8.89E-07
148	ALL	646341	4199680	NonCancer	0.00E+00	3.54E-09	0.00E+00	4.22E-10	4.22E-10	7.28E-10	8.94E-07	0.00E+00	1.12E-08	0.00E+00	4.22E-10	2.38E-07	0.00E+00	0.00E+00	8.94E-07
149	ALL	646441	4199680	NonCancer	0.00E+00	3.53E-09	0.00E+00	4.21E-10	4.21E-10	7.27E-10	8.91E-07	0.00E+00	1.12E-08	0.00E+00	4.21E-10	2.37E-07	0.00E+00	0.00E+00	8.91E-07
150	ALL	646541	4199680	NonCancer	0.00E+00	3.48E-09	0.00E+00	4.16E-10	4.16E-10	7.17E-10	8.80E-07	0.00E+00	1.10E-08	0.00E+00	4.16E-10	2.34E-07	0.00E+00	0.00E+00	8.80E-07
151	ALL	646641	4199680	NonCancer	0.00E+00	3.41E-09	0.00E+00	4.07E-10	4.07E-10	7.01E-10	8.60E-07	0.00E+00	1.08E-08	0.00E+00	4.07E-10	2.29E-07	0.00E+00	0.00E+00	8.60E-07
152	ALL	646741	4199680	NonCancer	0.00E+00	3.30E-09	0.00E+00	3.94E-10	3.94E-10	6.80E-10	8.34E-07	0.00E+00	1.05E-08	0.00E+00	3.94E-10	2.22E-07	0.00E+00	0.00E+00	8.34E-07
153	ALL	646841	4199680	NonCancer	0.00E+00	3.18E-09	0.00E+00	3.80E-10	3.80E-10	6.57E-10	8.03E-07	0.00E+00	1.01E-08	0.00E+00	3.80E-10	2.14E-07	0.00E+00	0.00E+00	8.03E-07
154	ALL	646941	4199680	NonCancer	0.00E+00	3.04E-09	0.00E+00	3.63E-10	3.63E-10	6.29E-10	7.68E-07	0.00E+00	9.63E-09	0.00E+00	3.63E-10	2.05E-07	0.00E+00	0.00E+00	7.68E-07
155	ALL	647041	4199680	NonCancer	0.00E+00	2.90E-09	0.00E+00	3.46E-10	3.46E-10	6.01E-10	7.33E-07	0.00E+00	9.19E-09	0.00E+00	3.46E-10	1.95E-07	0.00E+00	0.00E+00	7.33E-07
156	ALL	647141	4199680	NonCancer	0.00E+00	2.76E-09	0.00E+00	3.29E-10	3.29E-10	5.71E-10	6.96E-07	0.00E+00	8.73E-09	0.00E+00	3.29E-10	1.85E-07	0.00E+00	0.00E+00	6.96E-07
157	ALL	647241	4199680	NonCancer	0.00E+00	2.61E-09	0.00E+00	3.12E-10	3.12E-10	5.41E-10	6.59E-07	0.00E+00	8.26E-09	0.00E+00	3.12E-10	1.75E-07	0.00E+00	0.00E+00	6.59E-07

158	ALL	647341	4199680	NonCance	0.00E+00	2.46E-09	0.00E+00	2.94E-10	2.94E-10	5.11E-10	6.22E-07	0.00E+00	7.80E-09	0.00E+00	2.94E-10	1.66E-07	0.00E+00	0.00E+00	6.22E-07
159	ALL	644341	4199780	NonCance	0.00E+00	1.10E-09	0.00E+00	1.32E-10	1.32E-10	2.24E-10	2.78E-07	0.00E+00	3.49E-09	0.00E+00	1.32E-10	7.42E-08	0.00E+00	0.00E+00	2.78E-07
160	ALL	644441	4199780	NonCance	0.00E+00	1.18E-09	0.00E+00	1.41E-10	1.41E-10	2.40E-10	2.99E-07	0.00E+00	3.75E-09	0.00E+00	1.41E-10	7.96E-08	0.00E+00	0.00E+00	2.99E-07
161	ALL	644541	4199780	NonCance	0.00E+00	1.28E-09	0.00E+00	1.52E-10	1.52E-10	2.58E-10	3.22E-07	0.00E+00	4.04E-09	0.00E+00	1.52E-10	8.57E-08	0.00E+00	0.00E+00	3.22E-07
162	ALL	644641	4199780	NonCance	0.00E+00	1.38E-09	0.00E+00	1.64E-10	1.64E-10	2.78E-10	3.47E-07	0.00E+00	4.36E-09	0.00E+00	1.64E-10	9.25E-08	0.00E+00	0.00E+00	3.47E-07
163	ALL	644741	4199780	NonCance	0.00E+00	1.49E-09	0.00E+00	1.78E-10	1.78E-10	3.01E-10	3.76E-07	0.00E+00	4.72E-09	0.00E+00	1.78E-10	1.00E-07	0.00E+00	0.00E+00	3.76E-07
164	ALL	644841	4199780	NonCance	0.00E+00	1.63E-09	0.00E+00	1.94E-10	1.94E-10	3.27E-10	4.10E-07	0.00E+00	5.15E-09	0.00E+00	1.94E-10	1.09E-07	0.00E+00	0.00E+00	4.10E-07
165	ALL	644941	4199780	NonCance	0.00E+00	1.79E-09	0.00E+00	2.13E-10	2.13E-10	3.59E-10	4.51E-07	0.00E+00	5.66E-09	0.00E+00	2.13E-10	1.20E-07	0.00E+00	0.00E+00	4.51E-07
166	ALL	645041	4199780	NonCance	0.00E+00	1.98E-09	0.00E+00	2.37E-10	2.37E-10	3.97E-10	5.00E-07	0.00E+00	6.28E-09	0.00E+00	2.37E-10	1.33E-07	0.00E+00	0.00E+00	5.00E-07
167	ALL	645141	4199780	NonCance	0.00E+00	2.21E-09	0.00E+00	2.64E-10	2.64E-10	4.42E-10	5.58E-07	0.00E+00	7.00E-09	0.00E+00	2.64E-10	1.49E-07	0.00E+00	0.00E+00	5.58E-07
168	ALL	645241	4199780	NonCance	0.00E+00	2.47E-09	0.00E+00	2.95E-10	2.95E-10	4.94E-10	6.23E-07	0.00E+00	7.82E-09	0.00E+00	2.95E-10	1.66E-07	0.00E+00	0.00E+00	6.23E-07
169	ALL	645341	4199780	NonCance	0.00E+00	2.73E-09	0.00E+00	3.26E-10	3.26E-10	5.48E-10	6.89E-07	0.00E+00	8.65E-09	0.00E+00	3.26E-10	1.84E-07	0.00E+00	0.00E+00	6.89E-07
170	ALL	645441	4199780	NonCance	0.00E+00	2.97E-09	0.00E+00	3.54E-10	3.54E-10	5.99E-10	7.49E-07	0.00E+00	9.40E-09	0.00E+00	3.54E-10	1.99E-07	0.00E+00	0.00E+00	7.49E-07
171	ALL	645541	4199780	NonCance	0.00E+00	3.16E-09	0.00E+00	3.77E-10	3.77E-10	6.41E-10	7.97E-07	0.00E+00	1.00E-08	0.00E+00	3.77E-10	2.12E-07	0.00E+00	0.00E+00	7.97E-07
172	ALL	645641	4199780	NonCance	0.00E+00	3.32E-09	0.00E+00	3.96E-10	3.96E-10	6.73E-10	8.38E-07	0.00E+00	1.05E-08	0.00E+00	3.96E-10	2.23E-07	0.00E+00	0.00E+00	8.38E-07
173	ALL	645741	4199780	NonCance	0.00E+00	3.49E-09	0.00E+00	4.17E-10	4.17E-10	7.02E-10	8.80E-07	0.00E+00	1.10E-08	0.00E+00	4.17E-10	2.34E-07	0.00E+00	0.00E+00	8.80E-07
174	ALL	645841	4199780	NonCance	0.00E+00	3.68E-09	0.00E+00	4.39E-10	4.39E-10	7.34E-10	9.28E-07	0.00E+00	1.16E-08	0.00E+00	4.39E-10	2.47E-07	0.00E+00	0.00E+00	9.28E-07
175	ALL	645941	4199780	NonCance	0.00E+00	3.86E-09	0.00E+00	4.61E-10	4.61E-10	7.69E-10	9.74E-07	0.00E+00	1.22E-08	0.00E+00	4.61E-10	2.60E-07	0.00E+00	0.00E+00	9.74E-07
176	ALL	646041	4199780	NonCance	0.00E+00	4.00E-09	0.00E+00	4.78E-10	4.78E-10	8.03E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.78E-10	2.69E-07	0.00E+00	0.00E+00	1.01E-06
177	ALL	646141	4199780	NonCance	0.00E+00	4.09E-09	0.00E+00	4.89E-10	4.89E-10	8.31E-10	1.03E-06	0.00E+00	1.30E-08	0.00E+00	4.89E-10	2.75E-07	0.00E+00	0.00E+00	1.03E-06
178	ALL	646241	4199780	NonCance	0.00E+00	4.13E-09	0.00E+00	4.93E-10	4.93E-10	8.47E-10	1.04E-06	0.00E+00	1.31E-08	0.00E+00	4.93E-10	2.78E-07	0.00E+00	0.00E+00	1.04E-06
179	ALL	646341	4199780	NonCance	0.00E+00	4.13E-09	0.00E+00	4.94E-10	4.94E-10	8.51E-10	1.04E-06	0.00E+00	1.31E-08	0.00E+00	4.94E-10	2.78E-07	0.00E+00	0.00E+00	1.04E-06
180	ALL	646441	4199780	NonCance	0.00E+00	4.10E-09	0.00E+00	4.89E-10	4.89E-10	8.44E-10	1.03E-06	0.00E+00	1.30E-08	0.00E+00	4.89E-10	2.75E-07	0.00E+00	0.00E+00	1.03E-06
181	ALL	646541	4199780	NonCance	0.00E+00	4.01E-09	0.00E+00	4.79E-10	4.79E-10	8.26E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.79E-10	2.70E-07	0.00E+00	0.00E+00	1.01E-06
182	ALL	646641	4199780	NonCance	0.00E+00	3.89E-09	0.00E+00	4.65E-10	4.65E-10	8.02E-10	9.83E-07	0.00E+00	1.23E-08	0.00E+00	4.65E-10	2.62E-07	0.00E+00	0.00E+00	9.83E-07
183	ALL	646741	4199780	NonCance	0.00E+00	3.74E-09	0.00E+00	4.46E-10	4.46E-10	7.71E-10	9.44E-07	0.00E+00	1.18E-08	0.00E+00	4.46E-10	2.51E-07	0.00E+00	0.00E+00	9.44E-07
184	ALL	646841	4199780	NonCance	0.00E+00	3.56E-09	0.00E+00	4.26E-10	4.26E-10	7.37E-10	9.00E-07	0.00E+00	1.13E-08	0.00E+00	4.26E-10	2.40E-07	0.00E+00	0.00E+00	9.00E-07
185	ALL	646941	4199780	NonCance	0.00E+00	3.38E-09	0.00E+00	4.04E-10	4.04E-10	7.00E-10	8.54E-07	0.00E+00	1.07E-08	0.00E+00	4.04E-10	2.27E-07	0.00E+00	0.00E+00	8.54E-07
186	ALL	647041	4199780	NonCance	0.00E+00	3.19E-09	0.00E+00	3.81E-10	3.81E-10	6.62E-10	8.07E-07	0.00E+00	1.01E-08	0.00E+00	3.81E-10	2.15E-07	0.00E+00	0.00E+00	8.07E-07
187	ALL	647141	4199780	NonCance	0.00E+00	3.01E-09	0.00E+00	3.59E-10	3.59E-10	6.24E-10	7.59E-07	0.00E+00	9.52E-09	0.00E+00	3.59E-10	2.02E-07	0.00E+00	0.00E+00	7.59E-07
188	ALL	647241	4199780	NonCance	0.00E+00	2.82E-09	0.00E+00	3.37E-10	3.37E-10	5.85E-10	7.12E-07	0.00E+00	8.93E-09	0.00E+00	3.37E-10	1.90E-07	0.00E+00	0.00E+00	7.12E-07
189	ALL	647341	4199780	NonCance	0.00E+00	2.64E-09	0.00E+00	3.15E-10	3.15E-10	5.48E-10	6.66E-07	0.00E+00	8.36E-09	0.00E+00	3.15E-10	1.77E-07	0.00E+00	0.00E+00	6.66E-07
190	ALL	644341	4199880	NonCance	0.00E+00	1.17E-09	0.00E+00	1.40E-10	1.40E-10	2.39E-10	2.96E-07	0.00E+00	3.72E-09	0.00E+00	1.40E-10	7.89E-08	0.00E+00	0.00E+00	2.96E-07
191	ALL	644441	4199880	NonCance	0.00E+00	1.27E-09	0.00E+00	1.51E-10	1.51E-10	2.57E-10	3.20E-07	0.00E+00	4.01E-09	0.00E+00	1.51E-10	8.51E-08	0.00E+00	0.00E+00	3.20E-07
192	ALL	644541	4199880	NonCance	0.00E+00	1.37E-09	0.00E+00	1.64E-10	1.64E-10	2.77E-10	3.46E-07	0.00E+00	4.34E-09	0.00E+00	1.64E-10	9.21E-08	0.00E+00	0.00E+00	3.46E-07
193	ALL	644641	4199880	NonCance	0.00E+00	1.49E-09	0.00E+00	1.78E-10	1.78E-10	3.00E-10	3.75E-07	0.00E+00	4.71E-09	0.00E+00	1.78E-10	9.99E-08	0.00E+00	0.00E+00	3.75E-07
194	ALL	644741	4199880	NonCance	0.00E+00	1.62E-09	0.00E+00	1.93E-10	1.93E-10	3.26E-10	4.08E-07	0.00E+00	5.12E-09	0.00E+00	1.93E-10	1.09E-07	0.00E+00	0.00E+00	4.08E-07
195	ALL	644841	4199880	NonCance	0.00E+00	1.77E-09	0.00E+00	2.11E-10	2.11E-10	3.56E-10	4.47E-07	0.00E+00	5.61E-09	0.00E+00	2.11E-10	1.19E-07	0.00E+00	0.00E+00	4.47E-07
196	ALL	644941	4199880	NonCance	0.00E+00	1.95E-09	0.00E+00	2.33E-10	2.33E-10	3.91E-10	4.92E-07	0.00E+00	6.18E-09	0.00E+00	2.33E-10	1.31E-07	0.00E+00	0.00E+00	4.92E-07
197	ALL	645041	4199880	NonCance	0.00E+00	2.17E-09	0.00E+00	2.60E-10	2.60E-10	4.34E-10	5.48E-07	0.00E+00	6.88E-09	0.00E+00	2.60E-10	1.46E-07	0.00E+00	0.00E+00	5.48E-07
198	ALL	645141	4199880	NonCance	0.00E+00	2.44E-09	0.00E+00	2.92E-10	2.92E-10	4.86E-10	6.16E-07	0.00E+00	7.74E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.16E-07
199	ALL	645241	4199880	NonCance	0.00E+00	2.76E-09	0.00E+00	3.30E-10	3.30E-10	5.49E-10	6.96E-07	0.00E+00	8.75E-09	0.00E+00	3.30E-10	1.86E-07	0.00E+00	0.00E+00	6.96E-07
200	ALL	645341	4199880	NonCance	0.00E+00	3.11E-09	0.00E+00	3.71E-10	3.71E-10	6.18E-10	7.83E-07	0.00E+00	9.83E-09	0.00E+00	3.71E-10	2.09E-07	0.00E+00	0.00E+00	7.83E-07
201	ALL	645441	4199880	NonCance	0.00E+00	3.43E-09	0.00E+00	4.10E-10	4.10E-10	6.86E-10	8.65E-07	0.00E+00	1.09E-08	0.00E+00	4.10E-10	2.31E-07	0.00E+00	0.00E+00	8.65E-07
202	ALL	645541	4199880	NonCance	0.00E+00	3.70E-09	0.00E+00	4.42E-10	4.42E-10	7.45E-10	9.33E-07	0.00E+00	1.17E-08	0.00E+00	4.42E-10	2.49E-07	0.00E+00	0.00E+00	9.33E-07
203	ALL	645641	4199880	NonCance	0.00E+00	3.92E-09	0.00E+00	4.68E-10	4.68E-10	7.92E-10	9.90E-07	0.00E+00	1.24E-08	0.00E+00	4.68E-10	2.64E-07	0.00E+00	0.00E+00	9.90E-07
204	ALL	645741	4199880	NonCance	0.00E+00	4.16E-09	0.00E+00	4.97E-10	4.97E-10	8.33E-10	1.05E-06	0.00E+00	1.32E-08	0.00E+00	4.97E-10	2.79E-07	0.00E+00	0.00E+00	1.05E-06
205	ALL	645841	4199880	NonCance	0.00E+00	4.42E-09	0.00E+00	5.28E-10	5.28E-10	8.76E-10	1.11E-06	0.00E+00	1.40E-08	0.00E+00	5.28E-10	2.97E-07	0.00E+00	0.00E+00	1.11E-06
206	ALL	645941	4199880	NonCance	0.00E+00	4.66E-09	0.00E+00	5.56E-10	5.56E-10	9.23E-10	1.17E-06	0.00E+00	1.48E-08	0.00E+00	5.56E-10	3.13E-07	0.00E+00	0.00E+00	1.17E-06
207	ALL	646041	4199880	NonCance	0.00E+00	4.82E-09	0.00E+00	5.76E-10	5.76E-10	9.65E-10	1.22E-06	0.00E+00	1.53E-08	0.00E+00	5.76E-10	3.24E-07	0.00E+00	0.00E+00	1.22E-06
208	ALL	646141	4199880	NonCance	0.00E+00	4.91E-09	0.00E+00	5.86E-10	5.86E-10	9.96E-10	1.24E-06	0.00E+00	1.55E-08	0.00E+00	5.86E-10	3.30E-07	0.00E+00	0.00E+00	1.24E-06
209	ALL	646241	4199880	NonCance	0.00E+00	4.92E-09	0.00E+00	5.88E-10	5.88E-10	1.01E-09	1.24E-06	0.00E+00	1.56E-08	0.00E+00	5.88E-10	3.31E-07	0.00E+00	0.00E+00	1.24E-06
210	ALL	646341	4199880	NonCance	0.00E+00	4.89E-09	0.00E+00	5.84E-10	5.84E-10	1.01E-09	1.24E-06	0.00E+00	1.55E-08	0.00E+00	5.84E-10	3.29E-07	0.00E+00	0.00E+00	1.24E-06

211	ALL	646441	4199880	NonCance	0.00E+00	4.81E-09	0.00E+00	5.74E-10	5.74E-10	9.90E-10	1.21E-06	0.00E+00	1.52E-08	0.00E+00	5.74E-10	3.23E-07	0.00E+00	0.00E+00	1.21E-06
212	ALL	646541	4199880	NonCance	0.00E+00	4.66E-09	0.00E+00	5.57E-10	5.57E-10	9.61E-10	1.18E-06	0.00E+00	1.48E-08	0.00E+00	5.57E-10	3.14E-07	0.00E+00	0.00E+00	1.18E-06
213	ALL	646641	4199880	NonCance	0.00E+00	4.47E-09	0.00E+00	5.34E-10	5.34E-10	9.23E-10	1.13E-06	0.00E+00	1.42E-08	0.00E+00	5.34E-10	3.01E-07	0.00E+00	0.00E+00	1.13E-06
214	ALL	646741	4199880	NonCance	0.00E+00	4.25E-09	0.00E+00	5.07E-10	5.07E-10	8.78E-10	1.07E-06	0.00E+00	1.34E-08	0.00E+00	5.07E-10	2.85E-07	0.00E+00	0.00E+00	1.07E-06
215	ALL	646841	4199880	NonCance	0.00E+00	4.00E-09	0.00E+00	4.78E-10	4.78E-10	8.28E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.78E-10	2.69E-07	0.00E+00	0.00E+00	1.01E-06
216	ALL	646941	4199880	NonCance	0.00E+00	3.76E-09	0.00E+00	4.49E-10	4.49E-10	7.79E-10	9.49E-07	0.00E+00	1.19E-08	0.00E+00	4.49E-10	2.53E-07	0.00E+00	0.00E+00	9.49E-07
217	ALL	647041	4199880	NonCance	0.00E+00	3.51E-09	0.00E+00	4.19E-10	4.19E-10	7.28E-10	8.86E-07	0.00E+00	1.11E-08	0.00E+00	4.19E-10	2.36E-07	0.00E+00	0.00E+00	8.86E-07
218	ALL	647141	4199880	NonCance	0.00E+00	3.27E-09	0.00E+00	3.90E-10	3.90E-10	6.78E-10	8.25E-07	0.00E+00	1.04E-08	0.00E+00	3.90E-10	2.20E-07	0.00E+00	0.00E+00	8.25E-07
219	ALL	647241	4199880	NonCance	0.00E+00	3.04E-09	0.00E+00	3.63E-10	3.63E-10	6.29E-10	7.67E-07	0.00E+00	9.62E-09	0.00E+00	3.63E-10	2.04E-07	0.00E+00	0.00E+00	7.67E-07
220	ALL	647341	4199880	NonCance	0.00E+00	2.82E-09	0.00E+00	3.36E-10	3.36E-10	5.84E-10	7.11E-07	0.00E+00	8.92E-09	0.00E+00	3.36E-10	1.89E-07	0.00E+00	0.00E+00	7.11E-07
221	ALL	644341	4199980	NonCance	0.00E+00	1.25E-09	0.00E+00	1.49E-10	1.49E-10	2.54E-10	3.15E-07	0.00E+00	3.95E-09	0.00E+00	1.49E-10	8.38E-08	0.00E+00	0.00E+00	3.15E-07
222	ALL	644441	4199980	NonCance	0.00E+00	1.35E-09	0.00E+00	1.62E-10	1.62E-10	2.75E-10	3.41E-07	0.00E+00	4.29E-09	0.00E+00	1.62E-10	9.10E-08	0.00E+00	0.00E+00	3.41E-07
223	ALL	644541	4199980	NonCance	0.00E+00	1.47E-09	0.00E+00	1.76E-10	1.76E-10	2.98E-10	3.72E-07	0.00E+00	4.66E-09	0.00E+00	1.76E-10	9.90E-08	0.00E+00	0.00E+00	3.72E-07
224	ALL	644641	4199980	NonCance	0.00E+00	1.61E-09	0.00E+00	1.92E-10	1.92E-10	3.25E-10	4.06E-07	0.00E+00	5.09E-09	0.00E+00	1.92E-10	1.08E-07	0.00E+00	0.00E+00	4.06E-07
225	ALL	644741	4199980	NonCance	0.00E+00	1.76E-09	0.00E+00	2.10E-10	2.10E-10	3.54E-10	4.44E-07	0.00E+00	5.58E-09	0.00E+00	2.10E-10	1.18E-07	0.00E+00	0.00E+00	4.44E-07
226	ALL	644841	4199980	NonCance	0.00E+00	1.94E-09	0.00E+00	2.32E-10	2.32E-10	3.89E-10	4.89E-07	0.00E+00	6.14E-09	0.00E+00	2.32E-10	1.30E-07	0.00E+00	0.00E+00	4.89E-07
227	ALL	644941	4199980	NonCance	0.00E+00	2.15E-09	0.00E+00	2.56E-10	2.56E-10	4.29E-10	5.41E-07	0.00E+00	6.80E-09	0.00E+00	2.56E-10	1.44E-07	0.00E+00	0.00E+00	5.41E-07
228	ALL	645041	4199980	NonCance	0.00E+00	2.40E-09	0.00E+00	2.87E-10	2.87E-10	4.77E-10	6.05E-07	0.00E+00	7.60E-09	0.00E+00	2.87E-10	1.61E-07	0.00E+00	0.00E+00	6.05E-07
229	ALL	645141	4199980	NonCance	0.00E+00	2.72E-09	0.00E+00	3.25E-10	3.25E-10	5.38E-10	6.85E-07	0.00E+00	8.61E-09	0.00E+00	3.25E-10	1.83E-07	0.00E+00	0.00E+00	6.85E-07
230	ALL	645241	4199980	NonCance	0.00E+00	3.11E-09	0.00E+00	3.71E-10	3.71E-10	6.13E-10	7.84E-07	0.00E+00	9.85E-09	0.00E+00	3.71E-10	2.09E-07	0.00E+00	0.00E+00	7.84E-07
231	ALL	645341	4199980	NonCance	0.00E+00	3.56E-09	0.00E+00	4.25E-10	4.25E-10	7.01E-10	8.98E-07	0.00E+00	1.13E-08	0.00E+00	4.25E-10	2.39E-07	0.00E+00	0.00E+00	8.98E-07
232	ALL	645441	4199980	NonCance	0.00E+00	4.02E-09	0.00E+00	4.80E-10	4.80E-10	7.95E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.80E-10	2.70E-07	0.00E+00	0.00E+00	1.01E-06
233	ALL	645541	4199980	NonCance	0.00E+00	4.41E-09	0.00E+00	5.26E-10	5.26E-10	8.79E-10	1.11E-06	0.00E+00	1.40E-08	0.00E+00	5.26E-10	2.96E-07	0.00E+00	0.00E+00	1.11E-06
234	ALL	645641	4199980	NonCance	0.00E+00	4.73E-09	0.00E+00	5.65E-10	5.65E-10	9.49E-10	1.19E-06	0.00E+00	1.50E-08	0.00E+00	5.65E-10	3.18E-07	0.00E+00	0.00E+00	1.19E-06
235	ALL	645741	4199980	NonCance	0.00E+00	5.07E-09	0.00E+00	6.05E-10	6.05E-10	1.01E-09	1.28E-06	0.00E+00	1.61E-08	0.00E+00	6.05E-10	3.41E-07	0.00E+00	0.00E+00	1.28E-06
236	ALL	645841	4199980	NonCance	0.00E+00	5.43E-09	0.00E+00	6.49E-10	6.49E-10	1.07E-09	1.37E-06	0.00E+00	1.72E-08	0.00E+00	6.49E-10	3.65E-07	0.00E+00	0.00E+00	1.37E-06
237	ALL	645941	4199980	NonCance	0.00E+00	5.75E-09	0.00E+00	6.86E-10	6.86E-10	1.13E-09	1.45E-06	0.00E+00	1.82E-08	0.00E+00	6.86E-10	3.86E-07	0.00E+00	0.00E+00	1.45E-06
238	ALL	646041	4199980	NonCance	0.00E+00	5.93E-09	0.00E+00	7.09E-10	7.09E-10	1.18E-09	1.50E-06	0.00E+00	1.88E-08	0.00E+00	7.09E-10	3.99E-07	0.00E+00	0.00E+00	1.50E-06
239	ALL	646141	4199980	NonCance	0.00E+00	5.99E-09	0.00E+00	7.16E-10	7.16E-10	1.22E-09	1.51E-06	0.00E+00	1.90E-08	0.00E+00	7.16E-10	4.03E-07	0.00E+00	0.00E+00	1.51E-06
240	ALL	646241	4199980	NonCance	0.00E+00	5.96E-09	0.00E+00	7.12E-10	7.12E-10	1.22E-09	1.51E-06	0.00E+00	1.89E-08	0.00E+00	7.12E-10	4.01E-07	0.00E+00	0.00E+00	1.51E-06
241	ALL	646341	4199980	NonCance	0.00E+00	5.86E-09	0.00E+00	7.00E-10	7.00E-10	1.21E-09	1.48E-06	0.00E+00	1.86E-08	0.00E+00	7.00E-10	3.94E-07	0.00E+00	0.00E+00	1.48E-06
242	ALL	646441	4199980	NonCance	0.00E+00	5.69E-09	0.00E+00	6.80E-10	6.80E-10	1.17E-09	1.44E-06	0.00E+00	1.80E-08	0.00E+00	6.80E-10	3.83E-07	0.00E+00	0.00E+00	1.44E-06
243	ALL	646541	4199980	NonCance	0.00E+00	5.45E-09	0.00E+00	6.51E-10	6.51E-10	1.13E-09	1.38E-06	0.00E+00	1.73E-08	0.00E+00	6.51E-10	3.66E-07	0.00E+00	0.00E+00	1.38E-06
244	ALL	646641	4199980	NonCance	0.00E+00	5.15E-09	0.00E+00	6.15E-10	6.15E-10	1.07E-09	1.30E-06	0.00E+00	1.63E-08	0.00E+00	6.15E-10	3.46E-07	0.00E+00	0.00E+00	1.30E-06
245	ALL	646741	4199980	NonCance	0.00E+00	4.83E-09	0.00E+00	5.76E-10	5.76E-10	1.00E-09	1.22E-06	0.00E+00	1.53E-08	0.00E+00	5.76E-10	3.24E-07	0.00E+00	0.00E+00	1.22E-06
246	ALL	646841	4199980	NonCance	0.00E+00	4.49E-09	0.00E+00	5.37E-10	5.37E-10	9.32E-10	1.14E-06	0.00E+00	1.42E-08	0.00E+00	5.37E-10	3.02E-07	0.00E+00	0.00E+00	1.14E-06
247	ALL	646941	4199980	NonCance	0.00E+00	4.16E-09	0.00E+00	4.97E-10	4.97E-10	8.63E-10	1.05E-06	0.00E+00	1.32E-08	0.00E+00	4.97E-10	2.80E-07	0.00E+00	0.00E+00	1.05E-06
248	ALL	647041	4199980	NonCance	0.00E+00	3.84E-09	0.00E+00	4.59E-10	4.59E-10	7.96E-10	9.70E-07	0.00E+00	1.22E-08	0.00E+00	4.59E-10	2.58E-07	0.00E+00	0.00E+00	9.70E-07
249	ALL	647141	4199980	NonCance	0.00E+00	3.54E-09	0.00E+00	4.23E-10	4.23E-10	7.32E-10	8.93E-07	0.00E+00	1.12E-08	0.00E+00	4.23E-10	2.38E-07	0.00E+00	0.00E+00	8.93E-07
250	ALL	647241	4199980	NonCance	0.00E+00	3.25E-09	0.00E+00	3.88E-10	3.88E-10	6.73E-10	8.21E-07	0.00E+00	1.03E-08	0.00E+00	3.88E-10	2.19E-07	0.00E+00	0.00E+00	8.21E-07
251	ALL	647341	4199980	NonCance	0.00E+00	2.99E-09	0.00E+00	3.57E-10	3.57E-10	6.18E-10	7.54E-07	0.00E+00	9.46E-09	0.00E+00	3.57E-10	2.01E-07	0.00E+00	0.00E+00	7.54E-07
252	ALL	644341	4200080	NonCance	0.00E+00	1.32E-09	0.00E+00	1.58E-10	1.58E-10	2.70E-10	3.33E-07	0.00E+00	4.19E-09	0.00E+00	1.58E-10	8.88E-08	0.00E+00	0.00E+00	3.33E-07
253	ALL	644441	4200080	NonCance	0.00E+00	1.44E-09	0.00E+00	1.72E-10	1.72E-10	2.93E-10	3.64E-07	0.00E+00	4.57E-09	0.00E+00	1.72E-10	9.70E-08	0.00E+00	0.00E+00	3.64E-07
254	ALL	644541	4200080	NonCance	0.00E+00	1.58E-09	0.00E+00	1.89E-10	1.89E-10	3.20E-10	3.99E-07	0.00E+00	5.01E-09	0.00E+00	1.89E-10	1.06E-07	0.00E+00	0.00E+00	3.99E-07
255	ALL	644641	4200080	NonCance	0.00E+00	1.74E-09	0.00E+00	2.08E-10	2.08E-10	3.51E-10	4.39E-07	0.00E+00	5.51E-09	0.00E+00	2.08E-10	1.17E-07	0.00E+00	0.00E+00	4.39E-07
256	ALL	644741	4200080	NonCance	0.00E+00	1.92E-09	0.00E+00	2.29E-10	2.29E-10	3.86E-10	4.85E-07	0.00E+00	6.08E-09	0.00E+00	2.29E-10	1.29E-07	0.00E+00	0.00E+00	4.85E-07
257	ALL	644841	4200080	NonCance	0.00E+00	2.13E-09	0.00E+00	2.55E-10	2.55E-10	4.27E-10	5.38E-07	0.00E+00	6.75E-09	0.00E+00	2.55E-10	1.43E-07	0.00E+00	0.00E+00	5.38E-07
258	ALL	644941	4200080	NonCance	0.00E+00	2.38E-09	0.00E+00	2.84E-10	2.84E-10	4.74E-10	6.00E-07	0.00E+00	7.53E-09	0.00E+00	2.84E-10	1.60E-07	0.00E+00	0.00E+00	6.00E-07
259	ALL	645041	4200080	NonCance	0.00E+00	2.68E-09	0.00E+00	3.20E-10	3.20E-10	5.30E-10	6.75E-07	0.00E+00	8.48E-09	0.00E+00	3.20E-10	1.80E-07	0.00E+00	0.00E+00	6.75E-07
260	ALL	645141	4200080	NonCance	0.00E+00	3.05E-09	0.00E+00	3.64E-10	3.64E-10	6.01E-10	7.69E-07	0.00E+00	9.66E-09	0.00E+00	3.64E-10	2.05E-07	0.00E+00	0.00E+00	7.69E-07
261	ALL	645241	4200080	NonCance	0.00E+00	3.53E-09	0.00E+00	4.22E-10	4.22E-10	6.90E-10	8.89E-07	0.00E+00	1.12E-08	0.00E+00	4.22E-10	2.37E-07	0.00E+00	0.00E+00	8.89E-07
262	ALL	645341	4200080	NonCance	0.00E+00	4.13E-09	0.00E+00	4.93E-10	4.93E-10	8.03E-10	1.04E-06	0.00E+00	1.31E-08	0.00E+00	4.93E-10	2.77E-07	0.00E+00	0.00E+00	1.04E-06
263	ALL	645441	4200080	NonCance	0.00E+00	4.78E-09	0.00E+00	5.71E-10	5.71E-10	9.31E-10	1.20E-06	0.00E+00	1.51E-08	0.00E+00	5.71E-10	3.21E-07	0.00E+00	0.00E+00	1.20E-06

264	ALL	645541	4200080	NonCancer	0.00E+00	5.37E-09	0.00E+00	6.41E-10	6.41E-10	1.06E-09	1.35E-06	0.00E+00	1.70E-08	0.00E+00	6.41E-10	3.61E-07	0.00E+00	0.00E+00	1.35E-06
265	ALL	645641	4200080	NonCancer	0.00E+00	5.86E-09	0.00E+00	7.00E-10	7.00E-10	1.16E-09	1.48E-06	0.00E+00	1.86E-08	0.00E+00	7.00E-10	3.94E-07	0.00E+00	0.00E+00	1.48E-06
266	ALL	645741	4200080	NonCancer	0.00E+00	6.37E-09	0.00E+00	7.60E-10	7.60E-10	1.25E-09	1.61E-06	0.00E+00	2.02E-08	0.00E+00	7.60E-10	4.28E-07	0.00E+00	0.00E+00	1.61E-06
267	ALL	645841	4200080	NonCancer	0.00E+00	6.90E-09	0.00E+00	8.24E-10	8.24E-10	1.34E-09	1.74E-06	0.00E+00	2.18E-08	0.00E+00	8.24E-10	4.63E-07	0.00E+00	0.00E+00	1.74E-06
268	ALL	645941	4200080	NonCancer	0.00E+00	7.31E-09	0.00E+00	8.73E-10	8.73E-10	1.43E-09	1.84E-06	0.00E+00	2.31E-08	0.00E+00	8.73E-10	4.91E-07	0.00E+00	0.00E+00	1.84E-06
269	ALL	646041	4200080	NonCancer	0.00E+00	7.50E-09	0.00E+00	8.96E-10	8.96E-10	1.50E-09	1.89E-06	0.00E+00	2.38E-08	0.00E+00	8.96E-10	5.04E-07	0.00E+00	0.00E+00	1.89E-06
270	ALL	646141	4200080	NonCancer	0.00E+00	7.48E-09	0.00E+00	8.94E-10	8.94E-10	1.52E-09	1.89E-06	0.00E+00	2.37E-08	0.00E+00	8.94E-10	5.03E-07	0.00E+00	0.00E+00	1.89E-06
271	ALL	646241	4200080	NonCancer	0.00E+00	7.35E-09	0.00E+00	8.77E-10	8.77E-10	1.51E-09	1.86E-06	0.00E+00	2.33E-08	0.00E+00	8.77E-10	4.94E-07	0.00E+00	0.00E+00	1.86E-06
272	ALL	646341	4200080	NonCancer	0.00E+00	7.12E-09	0.00E+00	8.50E-10	8.50E-10	1.47E-09	1.80E-06	0.00E+00	2.25E-08	0.00E+00	8.50E-10	4.79E-07	0.00E+00	0.00E+00	1.80E-06
273	ALL	646441	4200080	NonCancer	0.00E+00	6.80E-09	0.00E+00	8.12E-10	8.12E-10	1.41E-09	1.72E-06	0.00E+00	2.15E-08	0.00E+00	8.12E-10	4.57E-07	0.00E+00	0.00E+00	1.72E-06
274	ALL	646541	4200080	NonCancer	0.00E+00	6.41E-09	0.00E+00	7.65E-10	7.65E-10	1.33E-09	1.62E-06	0.00E+00	2.03E-08	0.00E+00	7.65E-10	4.31E-07	0.00E+00	0.00E+00	1.62E-06
275	ALL	646641	4200080	NonCancer	0.00E+00	5.96E-09	0.00E+00	7.11E-10	7.11E-10	1.24E-09	1.51E-06	0.00E+00	1.89E-08	0.00E+00	7.11E-10	4.00E-07	0.00E+00	0.00E+00	1.51E-06
276	ALL	646741	4200080	NonCancer	0.00E+00	5.49E-09	0.00E+00	6.56E-10	6.56E-10	1.14E-09	1.39E-06	0.00E+00	1.74E-08	0.00E+00	6.56E-10	3.69E-07	0.00E+00	0.00E+00	1.39E-06
277	ALL	646841	4200080	NonCancer	0.00E+00	5.04E-09	0.00E+00	6.01E-10	6.01E-10	1.04E-09	1.27E-06	0.00E+00	1.59E-08	0.00E+00	6.01E-10	3.39E-07	0.00E+00	0.00E+00	1.27E-06
278	ALL	646941	4200080	NonCancer	0.00E+00	4.60E-09	0.00E+00	5.49E-10	5.49E-10	9.51E-10	1.16E-06	0.00E+00	1.46E-08	0.00E+00	5.49E-10	3.09E-07	0.00E+00	0.00E+00	1.16E-06
279	ALL	647041	4200080	NonCancer	0.00E+00	4.19E-09	0.00E+00	5.00E-10	5.00E-10	8.65E-10	1.06E-06	0.00E+00	1.33E-08	0.00E+00	5.00E-10	2.81E-07	0.00E+00	0.00E+00	1.06E-06
280	ALL	647141	4200080	NonCancer	0.00E+00	3.80E-09	0.00E+00	4.54E-10	4.54E-10	7.85E-10	9.60E-07	0.00E+00	1.20E-08	0.00E+00	4.54E-10	2.56E-07	0.00E+00	0.00E+00	9.60E-07
281	ALL	647241	4200080	NonCancer	0.00E+00	3.46E-09	0.00E+00	4.13E-10	4.13E-10	7.13E-10	8.72E-07	0.00E+00	1.09E-08	0.00E+00	4.13E-10	2.32E-07	0.00E+00	0.00E+00	8.72E-07
282	ALL	647341	4200080	NonCancer	0.00E+00	3.14E-09	0.00E+00	3.75E-10	3.75E-10	6.49E-10	7.93E-07	0.00E+00	9.95E-09	0.00E+00	3.75E-10	2.11E-07	0.00E+00	0.00E+00	7.93E-07
283	ALL	644341	4200180	NonCancer	0.00E+00	1.40E-09	0.00E+00	1.67E-10	1.67E-10	2.85E-10	3.52E-07	0.00E+00	4.42E-09	0.00E+00	1.67E-10	9.38E-08	0.00E+00	0.00E+00	3.52E-07
284	ALL	644441	4200180	NonCancer	0.00E+00	1.53E-09	0.00E+00	1.83E-10	1.83E-10	3.12E-10	3.87E-07	0.00E+00	4.85E-09	0.00E+00	1.83E-10	1.03E-07	0.00E+00	0.00E+00	3.87E-07
285	ALL	644541	4200180	NonCancer	0.00E+00	1.69E-09	0.00E+00	2.02E-10	2.02E-10	3.43E-10	4.27E-07	0.00E+00	5.36E-09	0.00E+00	2.02E-10	1.14E-07	0.00E+00	0.00E+00	4.27E-07
286	ALL	644641	4200180	NonCancer	0.00E+00	1.88E-09	0.00E+00	2.24E-10	2.24E-10	3.79E-10	4.73E-07	0.00E+00	5.94E-09	0.00E+00	2.24E-10	1.26E-07	0.00E+00	0.00E+00	4.73E-07
287	ALL	644741	4200180	NonCancer	0.00E+00	2.09E-09	0.00E+00	2.50E-10	2.50E-10	4.21E-10	5.28E-07	0.00E+00	6.63E-09	0.00E+00	2.50E-10	1.41E-07	0.00E+00	0.00E+00	5.28E-07
288	ALL	644841	4200180	NonCancer	0.00E+00	2.35E-09	0.00E+00	2.80E-10	2.80E-10	4.69E-10	5.92E-07	0.00E+00	7.43E-09	0.00E+00	2.80E-10	1.58E-07	0.00E+00	0.00E+00	5.92E-07
289	ALL	644941	4200180	NonCancer	0.00E+00	2.65E-09	0.00E+00	3.16E-10	3.16E-10	5.26E-10	6.68E-07	0.00E+00	8.39E-09	0.00E+00	3.16E-10	1.78E-07	0.00E+00	0.00E+00	6.68E-07
290	ALL	645041	4200180	NonCancer	0.00E+00	3.01E-09	0.00E+00	3.60E-10	3.60E-10	5.94E-10	7.59E-07	0.00E+00	9.54E-09	0.00E+00	3.60E-10	2.02E-07	0.00E+00	0.00E+00	7.59E-07
291	ALL	645141	4200180	NonCancer	0.00E+00	3.46E-09	0.00E+00	4.14E-10	4.14E-10	6.78E-10	8.73E-07	0.00E+00	1.10E-08	0.00E+00	4.14E-10	2.33E-07	0.00E+00	0.00E+00	8.73E-07
292	ALL	645241	4200180	NonCancer	0.00E+00	4.05E-09	0.00E+00	4.84E-10	4.84E-10	7.86E-10	1.02E-06	0.00E+00	1.28E-08	0.00E+00	4.84E-10	2.72E-07	0.00E+00	0.00E+00	1.02E-06
293	ALL	645341	4200180	NonCancer	0.00E+00	4.84E-09	0.00E+00	5.78E-10	5.78E-10	9.29E-10	1.22E-06	0.00E+00	1.53E-08	0.00E+00	5.78E-10	3.25E-07	0.00E+00	0.00E+00	1.22E-06
294	ALL	645441	4200180	NonCancer	0.00E+00	5.80E-09	0.00E+00	6.92E-10	6.92E-10	1.11E-09	1.46E-06	0.00E+00	1.84E-08	0.00E+00	6.92E-10	3.90E-07	0.00E+00	0.00E+00	1.46E-06
295	ALL	645541	4200180	NonCancer	0.00E+00	6.74E-09	0.00E+00	8.05E-10	8.05E-10	1.30E-09	1.70E-06	0.00E+00	2.13E-08	0.00E+00	8.05E-10	4.53E-07	0.00E+00	0.00E+00	1.70E-06
296	ALL	645641	4200180	NonCancer	0.00E+00	7.53E-09	0.00E+00	9.00E-10	9.00E-10	1.47E-09	1.90E-06	0.00E+00	2.39E-08	0.00E+00	9.00E-10	5.06E-07	0.00E+00	0.00E+00	1.90E-06
297	ALL	645741	4200180	NonCancer	0.00E+00	8.33E-09	0.00E+00	9.95E-10	9.95E-10	1.62E-09	2.10E-06	0.00E+00	2.64E-08	0.00E+00	9.95E-10	5.60E-07	0.00E+00	0.00E+00	2.10E-06
298	ALL	645841	4200180	NonCancer	0.00E+00	9.11E-09	0.00E+00	1.09E-09	1.09E-09	1.75E-09	2.30E-06	0.00E+00	2.89E-08	0.00E+00	1.09E-09	6.13E-07	0.00E+00	0.00E+00	2.30E-06
299	ALL	645941	4200180	NonCancer	0.00E+00	9.63E-09	0.00E+00	1.15E-09	1.15E-09	1.87E-09	2.43E-06	0.00E+00	3.05E-08	0.00E+00	1.15E-09	6.47E-07	0.00E+00	0.00E+00	2.43E-06
300	ALL	646041	4200180	NonCancer	0.00E+00	9.76E-09	0.00E+00	1.17E-09	1.17E-09	1.95E-09	2.46E-06	0.00E+00	3.09E-08	0.00E+00	1.17E-09	6.56E-07	0.00E+00	0.00E+00	2.46E-06
301	ALL	646141	4200180	NonCancer	0.00E+00	9.57E-09	0.00E+00	1.14E-09	1.14E-09	1.96E-09	2.42E-06	0.00E+00	3.03E-08	0.00E+00	1.14E-09	6.43E-07	0.00E+00	0.00E+00	2.42E-06
302	ALL	646241	4200180	NonCancer	0.00E+00	9.20E-09	0.00E+00	1.10E-09	1.10E-09	1.91E-09	2.33E-06	0.00E+00	2.91E-08	0.00E+00	1.10E-09	6.19E-07	0.00E+00	0.00E+00	2.33E-06
303	ALL	646341	4200180	NonCancer	0.00E+00	8.73E-09	0.00E+00	1.04E-09	1.04E-09	1.82E-09	2.21E-06	0.00E+00	2.76E-08	0.00E+00	1.04E-09	5.87E-07	0.00E+00	0.00E+00	2.21E-06
304	ALL	646441	4200180	NonCancer	0.00E+00	8.19E-09	0.00E+00	9.78E-10	9.78E-10	1.71E-09	2.07E-06	0.00E+00	2.59E-08	0.00E+00	9.78E-10	5.50E-07	0.00E+00	0.00E+00	2.07E-06
305	ALL	646541	4200180	NonCancer	0.00E+00	7.55E-09	0.00E+00	9.02E-10	9.02E-10	1.57E-09	1.91E-06	0.00E+00	2.39E-08	0.00E+00	9.02E-10	5.08E-07	0.00E+00	0.00E+00	1.91E-06
306	ALL	646641	4200180	NonCancer	0.00E+00	6.89E-09	0.00E+00	8.23E-10	8.23E-10	1.43E-09	1.74E-06	0.00E+00	2.18E-08	0.00E+00	8.23E-10	4.63E-07	0.00E+00	0.00E+00	1.74E-06
307	ALL	646741	4200180	NonCancer	0.00E+00	6.24E-09	0.00E+00	7.45E-10	7.45E-10	1.29E-09	1.58E-06	0.00E+00	1.98E-08	0.00E+00	7.45E-10	4.19E-07	0.00E+00	0.00E+00	1.58E-06
308	ALL	646841	4200180	NonCancer	0.00E+00	5.62E-09	0.00E+00	6.71E-10	6.71E-10	1.16E-09	1.42E-06	0.00E+00	1.78E-08	0.00E+00	6.71E-10	3.78E-07	0.00E+00	0.00E+00	1.42E-06
309	ALL	646941	4200180	NonCancer	0.00E+00	5.05E-09	0.00E+00	6.03E-10	6.03E-10	1.04E-09	1.27E-06	0.00E+00	1.60E-08	0.00E+00	6.03E-10	3.39E-07	0.00E+00	0.00E+00	1.27E-06
310	ALL	647041	4200180	NonCancer	0.00E+00	4.52E-09	0.00E+00	5.40E-10	5.40E-10	9.30E-10	1.14E-06	0.00E+00	1.43E-08	0.00E+00	5.40E-10	3.04E-07	0.00E+00	0.00E+00	1.14E-06
311	ALL	647141	4200180	NonCancer	0.00E+00	4.05E-09	0.00E+00	4.84E-10	4.84E-10	8.34E-10	1.02E-06	0.00E+00	1.28E-08	0.00E+00	4.84E-10	2.73E-07	0.00E+00	0.00E+00	1.02E-06
312	ALL	647241	4200180	NonCancer	0.00E+00	3.64E-09	0.00E+00	4.35E-10	4.35E-10	7.49E-10	9.18E-07	0.00E+00	1.15E-08	0.00E+00	4.35E-10	2.45E-07	0.00E+00	0.00E+00	9.18E-07
313	ALL	647341	4200180	NonCancer	0.00E+00	3.28E-09	0.00E+00	3.92E-10	3.92E-10	6.76E-10	8.27E-07	0.00E+00	1.04E-08	0.00E+00	3.92E-10	2.20E-07	0.00E+00	0.00E+00	8.27E-07
314	ALL	644341	4200280	NonCancer	0.00E+00	1.47E-09	0.00E+00	1.75E-10	1.75E-10	3.01E-10	3.70E-07	0.00E+00	4.64E-09	0.00E+00	1.75E-10	9.86E-08	0.00E+00	0.00E+00	3.70E-07
315	ALL	644441	4200280	NonCancer	0.00E+00	1.62E-09	0.00E+00	1.93E-10	1.93E-10	3.31E-10	4.09E-07	0.00E+00	5.13E-09	0.00E+00	1.93E-10	1.09E-07	0.00E+00	0.00E+00	4.09E-07
316	ALL	644541	4200280	NonCancer	0.00E+00	1.80E-09	0.00E+00	2.15E-10	2.15E-10	3.66E-10	4.54E-07	0.00E+00	5.70E-09	0.00E+00	2.15E-10	1.21E-07	0.00E+00	0.00E+00	4.54E-07

317	ALL	644641	4200280	NonCancer	0.00E+00	2.01E-09	0.00E+00	2.41E-10	2.41E-10	4.08E-10	5.08E-07	0.00E+00	6.38E-09	0.00E+00	2.41E-10	1.35E-07	0.00E+00	0.00E+00	5.08E-07
318	ALL	644741	4200280	NonCancer	0.00E+00	2.27E-09	0.00E+00	2.71E-10	2.71E-10	4.57E-10	5.72E-07	0.00E+00	7.19E-09	0.00E+00	2.71E-10	1.53E-07	0.00E+00	0.00E+00	5.72E-07
319	ALL	644841	4200280	NonCancer	0.00E+00	2.58E-09	0.00E+00	3.08E-10	3.08E-10	5.15E-10	6.50E-07	0.00E+00	8.16E-09	0.00E+00	3.08E-10	1.73E-07	0.00E+00	0.00E+00	6.50E-07
320	ALL	644941	4200280	NonCancer	0.00E+00	2.95E-09	0.00E+00	3.52E-10	3.52E-10	5.85E-10	7.43E-07	0.00E+00	9.34E-09	0.00E+00	3.52E-10	1.98E-07	0.00E+00	0.00E+00	7.43E-07
321	ALL	645041	4200280	NonCancer	0.00E+00	3.41E-09	0.00E+00	4.07E-10	4.07E-10	6.70E-10	8.59E-07	0.00E+00	1.08E-08	0.00E+00	4.07E-10	2.29E-07	0.00E+00	0.00E+00	8.59E-07
322	ALL	645141	4200280	NonCancer	0.00E+00	3.98E-09	0.00E+00	4.76E-10	4.76E-10	7.75E-10	1.00E-06	0.00E+00	1.26E-08	0.00E+00	4.76E-10	2.68E-07	0.00E+00	0.00E+00	1.00E-06
323	ALL	645241	4200280	NonCancer	0.00E+00	4.73E-09	0.00E+00	5.65E-10	5.65E-10	9.10E-10	1.19E-06	0.00E+00	1.50E-08	0.00E+00	5.65E-10	3.18E-07	0.00E+00	0.00E+00	1.19E-06
324	ALL	645341	4200280	NonCancer	0.00E+00	5.77E-09	0.00E+00	6.89E-10	6.89E-10	1.09E-09	1.45E-06	0.00E+00	1.83E-08	0.00E+00	6.89E-10	3.88E-07	0.00E+00	0.00E+00	1.45E-06
325	ALL	645441	4200280	NonCancer	0.00E+00	7.19E-09	0.00E+00	8.59E-10	8.59E-10	1.34E-09	1.81E-06	0.00E+00	2.28E-08	0.00E+00	8.59E-10	4.83E-07	0.00E+00	0.00E+00	1.81E-06
326	ALL	645541	4200280	NonCancer	0.00E+00	8.81E-09	0.00E+00	1.05E-09	1.05E-09	1.64E-09	2.21E-06	0.00E+00	2.79E-08	0.00E+00	1.05E-09	5.92E-07	0.00E+00	0.00E+00	2.21E-06
327	ALL	645641	4200280	NonCancer	0.00E+00	1.02E-08	0.00E+00	1.22E-09	1.22E-09	1.93E-09	2.57E-06	0.00E+00	3.24E-08	0.00E+00	1.22E-09	6.87E-07	0.00E+00	0.00E+00	2.57E-06
328	ALL	645741	4200280	NonCancer	0.00E+00	1.16E-08	0.00E+00	1.39E-09	1.39E-09	2.20E-09	2.93E-06	0.00E+00	3.68E-08	0.00E+00	1.39E-09	7.81E-07	0.00E+00	0.00E+00	2.93E-06
329	ALL	645841	4200280	NonCancer	0.00E+00	1.28E-08	0.00E+00	1.52E-09	1.52E-09	2.40E-09	3.21E-06	0.00E+00	4.04E-08	0.00E+00	1.52E-09	8.58E-07	0.00E+00	0.00E+00	3.21E-06
330	ALL	645941	4200280	NonCancer	0.00E+00	1.33E-08	0.00E+00	1.59E-09	1.59E-09	2.55E-09	3.35E-06	0.00E+00	4.21E-08	0.00E+00	1.59E-09	8.92E-07	0.00E+00	0.00E+00	3.35E-06
331	ALL	646041	4200280	NonCancer	0.00E+00	1.31E-08	0.00E+00	1.57E-09	1.57E-09	2.62E-09	3.31E-06	0.00E+00	4.15E-08	0.00E+00	1.57E-09	8.81E-07	0.00E+00	0.00E+00	3.31E-06
332	ALL	646141	4200280	NonCancer	0.00E+00	1.25E-08	0.00E+00	1.49E-09	1.49E-09	2.58E-09	3.16E-06	0.00E+00	3.95E-08	0.00E+00	1.49E-09	8.39E-07	0.00E+00	0.00E+00	3.16E-06
333	ALL	646241	4200280	NonCancer	0.00E+00	1.17E-08	0.00E+00	1.39E-09	1.39E-09	2.44E-09	2.95E-06	0.00E+00	3.69E-08	0.00E+00	1.39E-09	7.83E-07	0.00E+00	0.00E+00	2.95E-06
334	ALL	646341	4200280	NonCancer	0.00E+00	1.08E-08	0.00E+00	1.29E-09	1.29E-09	2.27E-09	2.74E-06	0.00E+00	3.43E-08	0.00E+00	1.29E-09	7.27E-07	0.00E+00	0.00E+00	2.74E-06
335	ALL	646441	4200280	NonCancer	0.00E+00	9.90E-09	0.00E+00	1.18E-09	1.18E-09	2.07E-09	2.51E-06	0.00E+00	3.14E-08	0.00E+00	1.18E-09	6.66E-07	0.00E+00	0.00E+00	2.51E-06
336	ALL	646541	4200280	NonCancer	0.00E+00	8.93E-09	0.00E+00	1.07E-09	1.07E-09	1.86E-09	2.26E-06	0.00E+00	2.83E-08	0.00E+00	1.07E-09	6.01E-07	0.00E+00	0.00E+00	2.26E-06
337	ALL	646641	4200280	NonCancer	0.00E+00	7.97E-09	0.00E+00	9.52E-10	9.52E-10	1.65E-09	2.01E-06	0.00E+00	2.53E-08	0.00E+00	9.52E-10	5.36E-07	0.00E+00	0.00E+00	2.01E-06
338	ALL	646741	4200280	NonCancer	0.00E+00	7.07E-09	0.00E+00	8.44E-10	8.44E-10	1.45E-09	1.78E-06	0.00E+00	2.24E-08	0.00E+00	8.44E-10	4.75E-07	0.00E+00	0.00E+00	1.78E-06
339	ALL	646841	4200280	NonCancer	0.00E+00	6.23E-09	0.00E+00	7.44E-10	7.44E-10	1.27E-09	1.57E-06	0.00E+00	1.97E-08	0.00E+00	7.44E-10	4.19E-07	0.00E+00	0.00E+00	1.57E-06
340	ALL	646941	4200280	NonCancer	0.00E+00	5.48E-09	0.00E+00	6.55E-10	6.55E-10	1.12E-09	1.38E-06	0.00E+00	1.74E-08	0.00E+00	6.55E-10	3.69E-07	0.00E+00	0.00E+00	1.38E-06
341	ALL	647041	4200280	NonCancer	0.00E+00	4.83E-09	0.00E+00	5.77E-10	5.77E-10	9.88E-10	1.22E-06	0.00E+00	1.53E-08	0.00E+00	5.77E-10	3.25E-07	0.00E+00	0.00E+00	1.22E-06
342	ALL	647141	4200280	NonCancer	0.00E+00	4.27E-09	0.00E+00	5.10E-10	5.10E-10	8.75E-10	1.08E-06	0.00E+00	1.35E-08	0.00E+00	5.10E-10	2.87E-07	0.00E+00	0.00E+00	1.08E-06
343	ALL	647241	4200280	NonCancer	0.00E+00	3.79E-09	0.00E+00	4.53E-10	4.53E-10	7.79E-10	9.57E-07	0.00E+00	1.20E-08	0.00E+00	4.53E-10	2.55E-07	0.00E+00	0.00E+00	9.57E-07
344	ALL	647341	4200280	NonCancer	0.00E+00	3.39E-09	0.00E+00	4.05E-10	4.05E-10	6.98E-10	8.55E-07	0.00E+00	1.07E-08	0.00E+00	4.05E-10	2.28E-07	0.00E+00	0.00E+00	8.55E-07
345	ALL	644341	4200380	NonCancer	0.00E+00	1.54E-09	0.00E+00	1.84E-10	1.84E-10	3.16E-10	3.88E-07	0.00E+00	4.87E-09	0.00E+00	1.84E-10	1.03E-07	0.00E+00	0.00E+00	3.88E-07
346	ALL	644441	4200380	NonCancer	0.00E+00	1.71E-09	0.00E+00	2.04E-10	2.04E-10	3.50E-10	4.31E-07	0.00E+00	5.40E-09	0.00E+00	2.04E-10	1.15E-07	0.00E+00	0.00E+00	4.31E-07
347	ALL	644541	4200380	NonCancer	0.00E+00	1.91E-09	0.00E+00	2.28E-10	2.28E-10	3.89E-10	4.82E-07	0.00E+00	6.04E-09	0.00E+00	2.28E-10	1.28E-07	0.00E+00	0.00E+00	4.82E-07
348	ALL	644641	4200380	NonCancer	0.00E+00	2.15E-09	0.00E+00	2.57E-10	2.57E-10	4.37E-10	5.43E-07	0.00E+00	6.81E-09	0.00E+00	2.57E-10	1.45E-07	0.00E+00	0.00E+00	5.43E-07
349	ALL	644741	4200380	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.92E-10	2.92E-10	4.93E-10	6.17E-07	0.00E+00	7.75E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.17E-07
350	ALL	644841	4200380	NonCancer	0.00E+00	2.81E-09	0.00E+00	3.36E-10	3.36E-10	5.63E-10	7.09E-07	0.00E+00	8.90E-09	0.00E+00	3.36E-10	1.89E-07	0.00E+00	0.00E+00	7.09E-07
351	ALL	644941	4200380	NonCancer	0.00E+00	3.27E-09	0.00E+00	3.90E-10	3.90E-10	6.48E-10	8.24E-07	0.00E+00	1.03E-08	0.00E+00	3.90E-10	2.20E-07	0.00E+00	0.00E+00	8.24E-07
352	ALL	645041	4200380	NonCancer	0.00E+00	3.85E-09	0.00E+00	4.60E-10	4.60E-10	7.55E-10	9.70E-07	0.00E+00	1.22E-08	0.00E+00	4.60E-10	2.59E-07	0.00E+00	0.00E+00	9.70E-07
353	ALL	645141	4200380	NonCancer	0.00E+00	4.61E-09	0.00E+00	5.50E-10	5.50E-10	8.91E-10	1.16E-06	0.00E+00	1.46E-08	0.00E+00	5.50E-10	3.10E-07	0.00E+00	0.00E+00	1.16E-06
354	ALL	645241	4200380	NonCancer	0.00E+00	5.62E-09	0.00E+00	6.71E-10	6.71E-10	1.07E-09	1.41E-06	0.00E+00	1.78E-08	0.00E+00	6.71E-10	3.78E-07	0.00E+00	0.00E+00	1.41E-06
355	ALL	645341	4200380	NonCancer	0.00E+00	7.05E-09	0.00E+00	8.42E-10	8.42E-10	1.31E-09	1.77E-06	0.00E+00	2.23E-08	0.00E+00	8.42E-10	4.74E-07	0.00E+00	0.00E+00	1.77E-06
356	ALL	645441	4200380	NonCancer	0.00E+00	9.22E-09	0.00E+00	1.10E-09	1.10E-09	1.68E-09	2.32E-06	0.00E+00	2.92E-08	0.00E+00	1.10E-09	6.20E-07	0.00E+00	0.00E+00	2.32E-06
357	ALL	645541	4200380	NonCancer	0.00E+00	1.22E-08	0.00E+00	1.46E-09	1.46E-09	2.17E-09	3.06E-06	0.00E+00	3.87E-08	0.00E+00	1.46E-09	8.20E-07	0.00E+00	0.00E+00	3.06E-06
358	ALL	645641	4200380	NonCancer	0.00E+00	1.52E-08	0.00E+00	1.82E-09	1.82E-09	2.72E-09	3.82E-06	0.00E+00	4.82E-08	0.00E+00	1.82E-09	1.02E-06	0.00E+00	0.00E+00	3.82E-06
359	ALL	645741	4200380	NonCancer	0.00E+00	1.79E-08	0.00E+00	2.14E-09	2.14E-09	3.23E-09	4.51E-06	0.00E+00	5.68E-08	0.00E+00	2.14E-09	1.21E-06	0.00E+00	0.00E+00	4.51E-06
360	ALL	645841	4200380	NonCancer	0.00E+00	1.94E-08	0.00E+00	2.32E-09	2.32E-09	3.54E-09	4.88E-06	0.00E+00	6.15E-08	0.00E+00	2.32E-09	1.30E-06	0.00E+00	0.00E+00	4.88E-06
361	ALL	645941	4200380	NonCancer	0.00E+00	1.93E-08	0.00E+00	2.30E-09	2.30E-09	3.68E-09	4.86E-06	0.00E+00	6.10E-08	0.00E+00	2.30E-09	1.29E-06	0.00E+00	0.00E+00	4.86E-06
362	ALL	646041	4200380	NonCancer	0.00E+00	1.81E-08	0.00E+00	2.16E-09	2.16E-09	3.67E-09	4.57E-06	0.00E+00	5.72E-08	0.00E+00	2.16E-09	1.21E-06	0.00E+00	0.00E+00	4.57E-06
363	ALL	646141	4200380	NonCancer	0.00E+00	1.65E-08	0.00E+00	1.97E-09	1.97E-09	3.48E-09	4.18E-06	0.00E+00	5.21E-08	0.00E+00	1.97E-09	1.11E-06	0.00E+00	0.00E+00	4.18E-06
364	ALL	646241	4200380	NonCancer	0.00E+00	1.49E-08	0.00E+00	1.78E-09	1.78E-09	3.19E-09	3.79E-06	0.00E+00	4.73E-08	0.00E+00	1.78E-09	1.00E-06	0.00E+00	0.00E+00	3.79E-06
365	ALL	646341	4200380	NonCancer	0.00E+00	1.35E-08	0.00E+00	1.62E-09	1.62E-09	2.87E-09	3.43E-06	0.00E+00	4.29E-08	0.00E+00	1.62E-09	9.10E-07	0.00E+00	0.00E+00	3.43E-06
366	ALL	646441	4200380	NonCancer	0.00E+00	1.21E-08	0.00E+00	1.45E-09	1.45E-09	2.52E-09	3.06E-06	0.00E+00	3.83E-08	0.00E+00	1.45E-09	8.14E-07	0.00E+00	0.00E+00	3.06E-06
367	ALL	646541	4200380	NonCancer	0.00E+00	1.06E-08	0.00E+00	1.27E-09	1.27E-09	2.19E-09	2.69E-06	0.00E+00	3.37E-08	0.00E+00	1.27E-09	7.15E-07	0.00E+00	0.00E+00	2.69E-06
368	ALL	646641	4200380	NonCancer	0.00E+00	9.23E-09	0.00E+00	1.10E-09	1.10E-09	1.88E-09	2.33E-06	0.00E+00	2.92E-08	0.00E+00	1.10E-09	6.20E-07	0.00E+00	0.00E+00	2.33E-06
369	ALL	646741	4200380	NonCancer	0.00E+00	7.94E-09	0.00E+00	9.48E-10	9.48E-10	1.61E-09	2.00E-06	0.00E+00	2.51E-08	0.00E+00	9.48E-10	5.34E-07	0.00E+00	0.00E+00	2.00E-06

370	ALL	646841	4200380	NonCancer	0.00E+00	6.81E-09	0.00E+00	8.14E-10	8.14E-10	1.38E-09	1.72E-06	0.00E+00	2.16E-08	0.00E+00	8.14E-10	4.58E-07	0.00E+00	0.00E+00	1.72E-06
371	ALL	646941	4200380	NonCancer	0.00E+00	5.87E-09	0.00E+00	7.01E-10	7.01E-10	1.19E-09	1.48E-06	0.00E+00	1.86E-08	0.00E+00	7.01E-10	3.94E-07	0.00E+00	0.00E+00	1.48E-06
372	ALL	647041	4200380	NonCancer	0.00E+00	5.08E-09	0.00E+00	6.07E-10	6.07E-10	1.04E-09	1.28E-06	0.00E+00	1.61E-08	0.00E+00	6.07E-10	3.42E-07	0.00E+00	0.00E+00	1.28E-06
373	ALL	647141	4200380	NonCancer	0.00E+00	4.44E-09	0.00E+00	5.30E-10	5.30E-10	9.07E-10	1.12E-06	0.00E+00	1.41E-08	0.00E+00	5.30E-10	2.99E-07	0.00E+00	0.00E+00	1.12E-06
374	ALL	647241	4200380	NonCancer	0.00E+00	3.91E-09	0.00E+00	4.67E-10	4.67E-10	8.02E-10	9.86E-07	0.00E+00	1.24E-08	0.00E+00	4.67E-10	2.63E-07	0.00E+00	0.00E+00	9.86E-07
375	ALL	647341	4200380	NonCancer	0.00E+00	3.47E-09	0.00E+00	4.15E-10	4.15E-10	7.14E-10	8.76E-07	0.00E+00	1.10E-08	0.00E+00	4.15E-10	2.34E-07	0.00E+00	0.00E+00	8.76E-07
376	ALL	644341	4200480	NonCancer	0.00E+00	1.61E-09	0.00E+00	1.93E-10	1.93E-10	3.33E-10	4.07E-07	0.00E+00	5.11E-09	0.00E+00	1.93E-10	1.09E-07	0.00E+00	0.00E+00	4.07E-07
377	ALL	644441	4200480	NonCancer	0.00E+00	1.80E-09	0.00E+00	2.15E-10	2.15E-10	3.70E-10	4.54E-07	0.00E+00	5.70E-09	0.00E+00	2.15E-10	1.21E-07	0.00E+00	0.00E+00	4.54E-07
378	ALL	644541	4200480	NonCancer	0.00E+00	2.02E-09	0.00E+00	2.42E-10	2.42E-10	4.14E-10	5.10E-07	0.00E+00	6.40E-09	0.00E+00	2.42E-10	1.36E-07	0.00E+00	0.00E+00	5.10E-07
379	ALL	644641	4200480	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.74E-10	2.74E-10	4.67E-10	5.79E-07	0.00E+00	7.26E-09	0.00E+00	2.74E-10	1.54E-07	0.00E+00	0.00E+00	5.79E-07
380	ALL	644741	4200480	NonCancer	0.00E+00	2.63E-09	0.00E+00	3.14E-10	3.14E-10	5.32E-10	6.63E-07	0.00E+00	8.33E-09	0.00E+00	3.14E-10	1.77E-07	0.00E+00	0.00E+00	6.63E-07
381	ALL	644841	4200480	NonCancer	0.00E+00	3.05E-09	0.00E+00	3.64E-10	3.64E-10	6.13E-10	7.69E-07	0.00E+00	9.67E-09	0.00E+00	3.64E-10	2.05E-07	0.00E+00	0.00E+00	7.69E-07
382	ALL	644941	4200480	NonCancer	0.00E+00	3.60E-09	0.00E+00	4.30E-10	4.30E-10	7.15E-10	9.07E-07	0.00E+00	1.14E-08	0.00E+00	4.30E-10	2.42E-07	0.00E+00	0.00E+00	9.07E-07
383	ALL	645041	4200480	NonCancer	0.00E+00	4.32E-09	0.00E+00	5.16E-10	5.16E-10	8.47E-10	1.09E-06	0.00E+00	1.37E-08	0.00E+00	5.16E-10	2.90E-07	0.00E+00	0.00E+00	1.09E-06
384	ALL	645141	4200480	NonCancer	0.00E+00	5.31E-09	0.00E+00	6.34E-10	6.34E-10	1.02E-09	1.34E-06	0.00E+00	1.68E-08	0.00E+00	6.34E-10	3.57E-07	0.00E+00	0.00E+00	1.34E-06
385	ALL	645241	4200480	NonCancer	0.00E+00	6.72E-09	0.00E+00	8.03E-10	8.03E-10	1.27E-09	1.69E-06	0.00E+00	2.13E-08	0.00E+00	8.03E-10	4.52E-07	0.00E+00	0.00E+00	1.69E-06
386	ALL	645341	4200480	NonCancer	0.00E+00	8.85E-09	0.00E+00	1.06E-09	1.06E-09	1.62E-09	2.22E-06	0.00E+00	2.80E-08	0.00E+00	1.06E-09	5.95E-07	0.00E+00	0.00E+00	2.22E-06
387	ALL	645441	4200480	NonCancer	0.00E+00	1.23E-08	0.00E+00	1.47E-09	1.47E-09	2.17E-09	3.09E-06	0.00E+00	3.91E-08	0.00E+00	1.47E-09	8.29E-07	0.00E+00	0.00E+00	3.09E-06
388	ALL	645541	4200480	NonCancer	0.00E+00	1.87E-08	0.00E+00	2.24E-09	2.24E-09	3.13E-09	4.68E-06	0.00E+00	5.93E-08	0.00E+00	2.24E-09	1.26E-06	0.00E+00	0.00E+00	4.68E-06
389	ALL	645641	4200480	NonCancer	0.00E+00	2.73E-08	0.00E+00	3.26E-09	3.26E-09	4.46E-09	6.81E-06	0.00E+00	8.64E-08	0.00E+00	3.26E-09	1.83E-06	0.00E+00	0.00E+00	6.81E-06
390	ALL	645741	4200480	NonCancer	0.00E+00	3.37E-08	0.00E+00	4.03E-09	4.03E-09	5.60E-09	8.44E-06	0.00E+00	1.07E-07	0.00E+00	4.03E-09	2.26E-06	0.00E+00	0.00E+00	8.44E-06
391	ALL	645841	4200480	NonCancer	0.00E+00	3.31E-08	0.00E+00	3.95E-09	3.95E-09	5.81E-09	8.31E-06	0.00E+00	1.05E-07	0.00E+00	3.95E-09	2.22E-06	0.00E+00	0.00E+00	8.31E-06
392	ALL	645941	4200480	NonCancer	0.00E+00	2.93E-08	0.00E+00	3.50E-09	3.50E-09	5.70E-09	7.41E-06	0.00E+00	9.28E-08	0.00E+00	3.50E-09	1.97E-06	0.00E+00	0.00E+00	7.41E-06
393	ALL	646041	4200480	NonCancer	0.00E+00	2.53E-08	0.00E+00	3.02E-09	3.02E-09	5.41E-09	6.44E-06	0.00E+00	8.01E-08	0.00E+00	3.02E-09	1.70E-06	0.00E+00	0.00E+00	6.44E-06
394	ALL	646141	4200480	NonCancer	0.00E+00	2.20E-08	0.00E+00	2.63E-09	2.63E-09	4.87E-09	5.61E-06	0.00E+00	6.98E-08	0.00E+00	2.63E-09	1.48E-06	0.00E+00	0.00E+00	5.61E-06
395	ALL	646241	4200480	NonCancer	0.00E+00	1.95E-08	0.00E+00	2.33E-09	2.33E-09	4.25E-09	4.95E-06	0.00E+00	6.18E-08	0.00E+00	2.33E-09	1.31E-06	0.00E+00	0.00E+00	4.95E-06
396	ALL	646341	4200480	NonCancer	0.00E+00	1.74E-08	0.00E+00	2.08E-09	2.08E-09	3.64E-09	4.40E-06	0.00E+00	5.50E-08	0.00E+00	2.08E-09	1.17E-06	0.00E+00	0.00E+00	4.40E-06
397	ALL	646441	4200480	NonCancer	0.00E+00	1.51E-08	0.00E+00	1.80E-09	1.80E-09	3.07E-09	3.81E-06	0.00E+00	4.78E-08	0.00E+00	1.80E-09	1.02E-06	0.00E+00	0.00E+00	3.81E-06
398	ALL	646541	4200480	NonCancer	0.00E+00	1.28E-08	0.00E+00	1.52E-09	1.52E-09	2.55E-09	3.21E-06	0.00E+00	4.04E-08	0.00E+00	1.52E-09	8.57E-07	0.00E+00	0.00E+00	3.21E-06
399	ALL	646641	4200480	NonCancer	0.00E+00	1.06E-08	0.00E+00	1.26E-09	1.26E-09	2.10E-09	2.66E-06	0.00E+00	3.35E-08	0.00E+00	1.26E-09	7.11E-07	0.00E+00	0.00E+00	2.66E-06
400	ALL	646741	4200480	NonCancer	0.00E+00	8.76E-09	0.00E+00	1.05E-09	1.05E-09	1.75E-09	2.20E-06	0.00E+00	2.77E-08	0.00E+00	1.05E-09	5.89E-07	0.00E+00	0.00E+00	2.20E-06
401	ALL	646841	4200480	NonCancer	0.00E+00	7.30E-09	0.00E+00	8.72E-10	8.72E-10	1.46E-09	1.84E-06	0.00E+00	2.31E-08	0.00E+00	8.72E-10	4.91E-07	0.00E+00	0.00E+00	1.84E-06
402	ALL	646941	4200480	NonCancer	0.00E+00	6.16E-09	0.00E+00	7.36E-10	7.36E-10	1.24E-09	1.55E-06	0.00E+00	1.95E-08	0.00E+00	7.36E-10	4.14E-07	0.00E+00	0.00E+00	1.55E-06
403	ALL	647041	4200480	NonCancer	0.00E+00	5.27E-09	0.00E+00	6.29E-10	6.29E-10	1.07E-09	1.33E-06	0.00E+00	1.67E-08	0.00E+00	6.29E-10	3.54E-07	0.00E+00	0.00E+00	1.33E-06
404	ALL	647141	4200480	NonCancer	0.00E+00	4.56E-09	0.00E+00	5.44E-10	5.44E-10	9.29E-10	1.15E-06	0.00E+00	1.44E-08	0.00E+00	5.44E-10	3.07E-07	0.00E+00	0.00E+00	1.15E-06
405	ALL	647241	4200480	NonCancer	0.00E+00	3.99E-09	0.00E+00	4.77E-10	4.77E-10	8.17E-10	1.01E-06	0.00E+00	1.26E-08	0.00E+00	4.77E-10	2.68E-07	0.00E+00	0.00E+00	1.01E-06
406	ALL	647341	4200480	NonCancer	0.00E+00	3.53E-09	0.00E+00	4.21E-10	4.21E-10	7.24E-10	8.89E-07	0.00E+00	1.12E-08	0.00E+00	4.21E-10	2.37E-07	0.00E+00	0.00E+00	8.89E-07
407	ALL	644341	4200580	NonCancer	0.00E+00	1.70E-09	0.00E+00	2.03E-10	2.03E-10	3.52E-10	4.29E-07	0.00E+00	5.39E-09	0.00E+00	2.03E-10	1.14E-07	0.00E+00	0.00E+00	4.29E-07
408	ALL	644441	4200580	NonCancer	0.00E+00	1.90E-09	0.00E+00	2.27E-10	2.27E-10	3.92E-10	4.80E-07	0.00E+00	6.02E-09	0.00E+00	2.27E-10	1.28E-07	0.00E+00	0.00E+00	4.80E-07
409	ALL	644541	4200580	NonCancer	0.00E+00	2.15E-09	0.00E+00	2.56E-10	2.56E-10	4.41E-10	5.41E-07	0.00E+00	6.80E-09	0.00E+00	2.56E-10	1.44E-07	0.00E+00	0.00E+00	5.41E-07
410	ALL	644641	4200580	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.92E-10	2.92E-10	5.00E-10	6.17E-07	0.00E+00	7.75E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.17E-07
411	ALL	644741	4200580	NonCancer	0.00E+00	2.82E-09	0.00E+00	3.37E-10	3.37E-10	5.73E-10	7.12E-07	0.00E+00	8.94E-09	0.00E+00	3.37E-10	1.90E-07	0.00E+00	0.00E+00	7.12E-07
412	ALL	644841	4200580	NonCancer	0.00E+00	3.30E-09	0.00E+00	3.95E-10	3.95E-10	6.65E-10	8.33E-07	0.00E+00	1.05E-08	0.00E+00	3.95E-10	2.22E-07	0.00E+00	0.00E+00	8.33E-07
413	ALL	644941	4200580	NonCancer	0.00E+00	3.94E-09	0.00E+00	4.71E-10	4.71E-10	7.85E-10	9.93E-07	0.00E+00	1.25E-08	0.00E+00	4.71E-10	2.65E-07	0.00E+00	0.00E+00	9.93E-07
414	ALL	645041	4200580	NonCancer	0.00E+00	4.81E-09	0.00E+00	5.74E-10	5.74E-10	9.44E-10	1.21E-06	0.00E+00	1.52E-08	0.00E+00	5.74E-10	3.23E-07	0.00E+00	0.00E+00	1.21E-06
415	ALL	645141	4200580	NonCancer	0.00E+00	6.05E-09	0.00E+00	7.23E-10	7.23E-10	1.17E-09	1.52E-06	0.00E+00	1.92E-08	0.00E+00	7.23E-10	4.07E-07	0.00E+00	0.00E+00	1.52E-06
416	ALL	645241	4200580	NonCancer	0.00E+00	7.94E-09	0.00E+00	9.48E-10	9.48E-10	1.49E-09	2.00E-06	0.00E+00	2.51E-08	0.00E+00	9.48E-10	5.33E-07	0.00E+00	0.00E+00	2.00E-06
417	ALL	645341	4200580	NonCancer	0.00E+00	1.11E-08	0.00E+00	1.33E-09	1.33E-09	2.00E-09	2.79E-06	0.00E+00	3.52E-08	0.00E+00	1.33E-09	7.47E-07	0.00E+00	0.00E+00	2.79E-06
418	ALL	645441	4200580	NonCancer	0.00E+00	1.73E-08	0.00E+00	2.07E-09	2.07E-09	2.93E-09	4.33E-06	0.00E+00	5.48E-08	0.00E+00	2.07E-09	1.16E-06	0.00E+00	0.00E+00	4.33E-06
419	ALL	645541	4200580	NonCancer	0.00E+00	3.46E-08	0.00E+00	4.14E-09	4.14E-09	5.29E-09	8.62E-06	0.00E+00	1.10E-07	0.00E+00	4.14E-09	2.33E-06	0.00E+00	0.00E+00	8.62E-06
420	ALL	645641	4200580	NonCancer	0.00E+00	8.96E-08	0.00E+00	1.07E-08	1.07E-08	1.23E-08	2.22E-05	0.00E+00	2.84E-07	0.00E+00	1.07E-08	6.01E-06	0.00E+00	0.00E+00	2.22E-05
421	ALL	645741	4200580	NonCancer	0.00E+00	8.73E-08	0.00E+00	1.04E-08	1.04E-08	1.29E-08	2.17E-05	0.00E+00	2.76E-07	0.00E+00	1.04E-08	5.86E-06	0.00E+00	0.00E+00	2.17E-05
422	ALL	645841	4200580	NonCancer	0.00E+00	6.10E-08	0.00E+00	7.28E-09	7.28E-09	1.05E-08	1.53E-05	0.00E+00	1.93E-07	0.00E+00	7.28E-09	4.10E-06	0.00E+00	0.00E+00	1.53E-05

423	ALL	645941	4200580	NonCancer	0.00E+00	4.49E-08	0.00E+00	5.36E-09	5.36E-09	9.43E-09	1.15E-05	0.00E+00	1.42E-07	0.00E+00	5.36E-09	3.02E-06	0.00E+00	0.00E+00	1.15E-05
424	ALL	646041	4200580	NonCancer	0.00E+00	3.52E-08	0.00E+00	4.20E-09	4.20E-09	8.34E-09	9.04E-06	0.00E+00	1.11E-07	0.00E+00	4.20E-09	2.37E-06	0.00E+00	0.00E+00	9.04E-06
425	ALL	646141	4200580	NonCancer	0.00E+00	3.00E-08	0.00E+00	3.59E-09	3.59E-09	6.94E-09	7.67E-06	0.00E+00	9.52E-08	0.00E+00	3.59E-09	2.02E-06	0.00E+00	0.00E+00	7.67E-06
426	ALL	646241	4200580	NonCancer	0.00E+00	2.69E-08	0.00E+00	3.21E-09	3.21E-09	5.71E-09	6.81E-06	0.00E+00	8.52E-08	0.00E+00	3.21E-09	1.81E-06	0.00E+00	0.00E+00	6.81E-06
427	ALL	646341	4200580	NonCancer	0.00E+00	2.38E-08	0.00E+00	2.84E-09	2.84E-09	4.69E-09	5.98E-06	0.00E+00	7.52E-08	0.00E+00	2.84E-09	1.60E-06	0.00E+00	0.00E+00	5.98E-06
428	ALL	646441	4200580	NonCancer	0.00E+00	1.94E-08	0.00E+00	2.32E-09	2.32E-09	3.73E-09	4.89E-06	0.00E+00	6.16E-08	0.00E+00	2.32E-09	1.31E-06	0.00E+00	0.00E+00	4.89E-06
429	ALL	646541	4200580	NonCancer	0.00E+00	1.52E-08	0.00E+00	1.81E-09	1.81E-09	2.91E-09	3.81E-06	0.00E+00	4.80E-08	0.00E+00	1.81E-09	1.02E-06	0.00E+00	0.00E+00	3.81E-06
430	ALL	646641	4200580	NonCancer	0.00E+00	1.18E-08	0.00E+00	1.41E-09	1.41E-09	2.29E-09	2.96E-06	0.00E+00	3.73E-08	0.00E+00	1.41E-09	7.93E-07	0.00E+00	0.00E+00	2.96E-06
431	ALL	646741	4200580	NonCancer	0.00E+00	9.36E-09	0.00E+00	1.12E-09	1.12E-09	1.84E-09	2.35E-06	0.00E+00	2.96E-08	0.00E+00	1.12E-09	6.29E-07	0.00E+00	0.00E+00	2.35E-06
432	ALL	646841	4200580	NonCancer	0.00E+00	7.61E-09	0.00E+00	9.09E-10	9.09E-10	1.51E-09	1.92E-06	0.00E+00	2.41E-08	0.00E+00	9.09E-10	5.12E-07	0.00E+00	0.00E+00	1.92E-06
433	ALL	646941	4200580	NonCancer	0.00E+00	6.33E-09	0.00E+00	7.56E-10	7.56E-10	1.27E-09	1.59E-06	0.00E+00	2.00E-08	0.00E+00	7.56E-10	4.26E-07	0.00E+00	0.00E+00	1.59E-06
434	ALL	647041	4200580	NonCancer	0.00E+00	5.36E-09	0.00E+00	6.41E-10	6.41E-10	1.08E-09	1.35E-06	0.00E+00	1.70E-08	0.00E+00	6.41E-10	3.61E-07	0.00E+00	0.00E+00	1.35E-06
435	ALL	647141	4200580	NonCancer	0.00E+00	4.61E-09	0.00E+00	5.51E-10	5.51E-10	9.38E-10	1.16E-06	0.00E+00	1.46E-08	0.00E+00	5.51E-10	3.10E-07	0.00E+00	0.00E+00	1.16E-06
436	ALL	647241	4200580	NonCancer	0.00E+00	4.02E-09	0.00E+00	4.80E-10	4.80E-10	8.22E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.80E-10	2.70E-07	0.00E+00	0.00E+00	1.01E-06
437	ALL	647341	4200580	NonCancer	0.00E+00	3.54E-09	0.00E+00	4.23E-10	4.23E-10	7.27E-10	8.93E-07	0.00E+00	1.12E-08	0.00E+00	4.23E-10	2.38E-07	0.00E+00	0.00E+00	8.93E-07
438	ALL	644341	4200680	NonCancer	0.00E+00	1.79E-09	0.00E+00	2.14E-10	2.14E-10	3.71E-10	4.52E-07	0.00E+00	5.67E-09	0.00E+00	2.14E-10	1.20E-07	0.00E+00	0.00E+00	4.52E-07
439	ALL	644441	4200680	NonCancer	0.00E+00	2.01E-09	0.00E+00	2.40E-10	2.40E-10	4.15E-10	5.07E-07	0.00E+00	6.36E-09	0.00E+00	2.40E-10	1.35E-07	0.00E+00	0.00E+00	5.07E-07
440	ALL	644541	4200680	NonCancer	0.00E+00	2.27E-09	0.00E+00	2.72E-10	2.72E-10	4.68E-10	5.74E-07	0.00E+00	7.20E-09	0.00E+00	2.72E-10	1.53E-07	0.00E+00	0.00E+00	5.74E-07
441	ALL	644641	4200680	NonCancer	0.00E+00	2.60E-09	0.00E+00	3.11E-10	3.11E-10	5.33E-10	6.57E-07	0.00E+00	8.24E-09	0.00E+00	3.11E-10	1.75E-07	0.00E+00	0.00E+00	6.57E-07
442	ALL	644741	4200680	NonCancer	0.00E+00	3.02E-09	0.00E+00	3.61E-10	3.61E-10	6.15E-10	7.62E-07	0.00E+00	9.56E-09	0.00E+00	3.61E-10	2.03E-07	0.00E+00	0.00E+00	7.62E-07
443	ALL	644841	4200680	NonCancer	0.00E+00	3.56E-09	0.00E+00	4.25E-10	4.25E-10	7.19E-10	8.98E-07	0.00E+00	1.13E-08	0.00E+00	4.25E-10	2.39E-07	0.00E+00	0.00E+00	8.98E-07
444	ALL	644941	4200680	NonCancer	0.00E+00	4.28E-09	0.00E+00	5.12E-10	5.12E-10	8.56E-10	1.08E-06	0.00E+00	1.36E-08	0.00E+00	5.12E-10	2.88E-07	0.00E+00	0.00E+00	1.08E-06
445	ALL	645041	4200680	NonCancer	0.00E+00	5.29E-09	0.00E+00	6.32E-10	6.32E-10	1.04E-09	1.33E-06	0.00E+00	1.68E-08	0.00E+00	6.32E-10	3.56E-07	0.00E+00	0.00E+00	1.33E-06
446	ALL	645141	4200680	NonCancer	0.00E+00	6.78E-09	0.00E+00	8.10E-10	8.10E-10	1.31E-09	1.71E-06	0.00E+00	2.15E-08	0.00E+00	8.10E-10	4.56E-07	0.00E+00	0.00E+00	1.71E-06
447	ALL	645241	4200680	NonCancer	0.00E+00	9.16E-09	0.00E+00	1.09E-09	1.09E-09	1.72E-09	2.30E-06	0.00E+00	2.90E-08	0.00E+00	1.09E-09	6.15E-07	0.00E+00	0.00E+00	2.30E-06
448	ALL	645341	4200680	NonCancer	0.00E+00	1.34E-08	0.00E+00	1.60E-09	1.60E-09	2.39E-09	3.35E-06	0.00E+00	4.24E-08	0.00E+00	1.60E-09	8.99E-07	0.00E+00	0.00E+00	3.35E-06
449	ALL	645441	4200680	NonCancer	0.00E+00	2.32E-08	0.00E+00	2.78E-09	2.78E-09	3.86E-09	5.80E-06	0.00E+00	7.36E-08	0.00E+00	2.78E-09	1.56E-06	0.00E+00	0.00E+00	5.80E-06
450	ALL	645541	4200680	NonCancer	0.00E+00	6.37E-08	0.00E+00	7.61E-09	7.61E-09	9.14E-09	1.58E-05	0.00E+00	2.02E-07	0.00E+00	7.61E-09	4.27E-06	0.00E+00	0.00E+00	1.58E-05
451	ALL	645641	4200680	NonCancer	0.00E+00	2.77E-07	0.00E+00	3.31E-08	3.31E-08	3.54E-08	6.83E-05	0.00E+00	8.76E-07	0.00E+00	3.31E-08	1.86E-05	0.00E+00	0.00E+00	6.83E-05
452	ALL	645741	4200680	NonCancer	0.00E+00	2.94E-07	0.00E+00	3.52E-08	3.52E-08	3.92E-08	7.28E-05	0.00E+00	9.32E-07	0.00E+00	3.52E-08	1.98E-05	0.00E+00	0.00E+00	7.28E-05
453	ALL	645841	4200680	NonCancer	0.00E+00	1.21E-07	0.00E+00	1.44E-08	1.44E-08	2.13E-08	3.06E-05	0.00E+00	3.82E-07	0.00E+00	1.44E-08	8.10E-06	0.00E+00	0.00E+00	3.06E-05
454	ALL	645941	4200680	NonCancer	0.00E+00	6.63E-08	0.00E+00	7.92E-09	7.92E-09	1.78E-08	1.75E-05	0.00E+00	2.10E-07	0.00E+00	7.92E-09	4.47E-06	0.00E+00	0.00E+00	1.75E-05
455	ALL	646041	4200680	NonCancer	0.00E+00	4.86E-08	0.00E+00	5.81E-09	5.81E-09	1.33E-08	1.26E-05	0.00E+00	1.54E-07	0.00E+00	5.81E-09	3.28E-06	0.00E+00	0.00E+00	1.26E-05
456	ALL	646141	4200680	NonCancer	0.00E+00	4.51E-08	0.00E+00	5.39E-09	5.39E-09	9.97E-09	1.15E-05	0.00E+00	1.43E-07	0.00E+00	5.39E-09	3.04E-06	0.00E+00	0.00E+00	1.15E-05
457	ALL	646241	4200680	NonCancer	0.00E+00	4.48E-08	0.00E+00	5.35E-09	5.35E-09	8.27E-09	1.12E-05	0.00E+00	1.42E-07	0.00E+00	5.35E-09	3.01E-06	0.00E+00	0.00E+00	1.12E-05
458	ALL	646341	4200680	NonCancer	0.00E+00	3.73E-08	0.00E+00	4.46E-09	4.46E-09	6.47E-09	9.33E-06	0.00E+00	1.18E-07	0.00E+00	4.46E-09	2.51E-06	0.00E+00	0.00E+00	9.33E-06
459	ALL	646441	4200680	NonCancer	0.00E+00	2.50E-08	0.00E+00	2.98E-09	2.98E-09	4.45E-09	6.25E-06	0.00E+00	7.91E-08	0.00E+00	2.98E-09	1.68E-06	0.00E+00	0.00E+00	6.25E-06
460	ALL	646541	4200680	NonCancer	0.00E+00	1.70E-08	0.00E+00	2.03E-09	2.03E-09	3.16E-09	4.27E-06	0.00E+00	5.40E-08	0.00E+00	2.03E-09	1.14E-06	0.00E+00	0.00E+00	4.27E-06
461	ALL	646641	4200680	NonCancer	0.00E+00	1.25E-08	0.00E+00	1.49E-09	1.49E-09	2.38E-09	3.13E-06	0.00E+00	3.95E-08	0.00E+00	1.49E-09	8.37E-07	0.00E+00	0.00E+00	3.13E-06
462	ALL	646741	4200680	NonCancer	0.00E+00	9.61E-09	0.00E+00	1.15E-09	1.15E-09	1.87E-09	2.42E-06	0.00E+00	3.04E-08	0.00E+00	1.15E-09	6.46E-07	0.00E+00	0.00E+00	2.42E-06
463	ALL	646841	4200680	NonCancer	0.00E+00	7.71E-09	0.00E+00	9.20E-10	9.20E-10	1.53E-09	1.94E-06	0.00E+00	2.44E-08	0.00E+00	9.20E-10	5.18E-07	0.00E+00	0.00E+00	1.94E-06
464	ALL	646941	4200680	NonCancer	0.00E+00	6.36E-09	0.00E+00	7.59E-10	7.59E-10	1.27E-09	1.60E-06	0.00E+00	2.01E-08	0.00E+00	7.59E-10	4.27E-07	0.00E+00	0.00E+00	1.60E-06
465	ALL	647041	4200680	NonCancer	0.00E+00	5.36E-09	0.00E+00	6.40E-10	6.40E-10	1.08E-09	1.35E-06	0.00E+00	1.70E-08	0.00E+00	6.40E-10	3.60E-07	0.00E+00	0.00E+00	1.35E-06
466	ALL	647141	4200680	NonCancer	0.00E+00	4.60E-09	0.00E+00	5.49E-10	5.49E-10	9.33E-10	1.16E-06	0.00E+00	1.46E-08	0.00E+00	5.49E-10	3.09E-07	0.00E+00	0.00E+00	1.16E-06
467	ALL	647241	4200680	NonCancer	0.00E+00	4.00E-09	0.00E+00	4.78E-10	4.78E-10	8.16E-10	1.01E-06	0.00E+00	1.27E-08	0.00E+00	4.78E-10	2.69E-07	0.00E+00	0.00E+00	1.01E-06
468	ALL	647341	4200680	NonCancer	0.00E+00	3.52E-09	0.00E+00	4.20E-10	4.20E-10	7.20E-10	8.87E-07	0.00E+00	1.11E-08	0.00E+00	4.20E-10	2.37E-07	0.00E+00	0.00E+00	8.87E-07
469	ALL	644341	4200780	NonCancer	0.00E+00	1.87E-09	0.00E+00	2.23E-10	2.23E-10	3.88E-10	4.71E-07	0.00E+00	5.91E-09	0.00E+00	2.23E-10	1.26E-07	0.00E+00	0.00E+00	4.71E-07
470	ALL	644441	4200780	NonCancer	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.35E-10	5.30E-07	0.00E+00	6.65E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.30E-07
471	ALL	644541	4200780	NonCancer	0.00E+00	2.38E-09	0.00E+00	2.85E-10	2.85E-10	4.92E-10	6.01E-07	0.00E+00	7.55E-09	0.00E+00	2.85E-10	1.60E-07	0.00E+00	0.00E+00	6.01E-07
472	ALL	644641	4200780	NonCancer	0.00E+00	2.73E-09	0.00E+00	3.27E-10	3.27E-10	5.62E-10	6.90E-07	0.00E+00	8.66E-09	0.00E+00	3.27E-10	1.84E-07	0.00E+00	0.00E+00	6.90E-07
473	ALL	644741	4200780	NonCancer	0.00E+00	3.18E-09	0.00E+00	3.80E-10	3.80E-10	6.51E-10	8.03E-07	0.00E+00	1.01E-08	0.00E+00	3.80E-10	2.14E-07	0.00E+00	0.00E+00	8.03E-07
474	ALL	644841	4200780	NonCancer	0.00E+00	3.76E-09	0.00E+00	4.50E-10	4.50E-10	7.65E-10	9.49E-07	0.00E+00	1.19E-08	0.00E+00	4.50E-10	2.53E-07	0.00E+00	0.00E+00	9.49E-07
475	ALL	644941	4200780	NonCancer	0.00E+00	4.55E-09	0.00E+00	5.43E-10	5.43E-10	9.16E-10	1.15E-06	0.00E+00	1.44E-08	0.00E+00	5.43E-10	3.06E-07	0.00E+00	0.00E+00	1.15E-06

476	ALL	645041	4200780	NonCancer	0.00E+00	5.64E-09	0.00E+00	6.74E-10	6.74E-10	1.12E-09	1.42E-06	0.00E+00	1.79E-08	0.00E+00	6.74E-10	3.79E-07	0.00E+00	0.00E+00	1.42E-06
477	ALL	645141	4200780	NonCancer	0.00E+00	7.26E-09	0.00E+00	8.68E-10	8.68E-10	1.42E-09	1.83E-06	0.00E+00	2.30E-08	0.00E+00	8.68E-10	4.88E-07	0.00E+00	0.00E+00	1.83E-06
478	ALL	645241	4200780	NonCancer	0.00E+00	9.84E-09	0.00E+00	1.18E-09	1.18E-09	1.88E-09	2.47E-06	0.00E+00	3.12E-08	0.00E+00	1.18E-09	6.61E-07	0.00E+00	0.00E+00	2.47E-06
479	ALL	645341	4200780	NonCancer	0.00E+00	1.44E-08	0.00E+00	1.71E-09	1.71E-09	2.64E-09	3.60E-06	0.00E+00	4.55E-08	0.00E+00	1.71E-09	9.64E-07	0.00E+00	0.00E+00	3.60E-06
480	ALL	645441	4200780	NonCancer	0.00E+00	2.37E-08	0.00E+00	2.83E-09	2.83E-09	4.13E-09	5.94E-06	0.00E+00	7.52E-08	0.00E+00	2.83E-09	1.59E-06	0.00E+00	0.00E+00	5.94E-06
481	ALL	645541	4200780	NonCancer	0.00E+00	4.70E-08	0.00E+00	5.61E-09	5.61E-09	7.57E-09	1.17E-05	0.00E+00	1.49E-07	0.00E+00	5.61E-09	3.15E-06	0.00E+00	0.00E+00	1.17E-05
482	ALL	645641	4200780	NonCancer	0.00E+00	1.16E-07	0.00E+00	1.39E-08	1.39E-08	1.74E-08	2.90E-05	0.00E+00	3.69E-07	0.00E+00	1.39E-08	7.82E-06	0.00E+00	0.00E+00	2.90E-05
483	ALL	645741	4200780	NonCancer	0.00E+00	2.60E-07	0.00E+00	3.11E-08	3.11E-08	3.84E-08	6.50E-05	0.00E+00	8.25E-07	0.00E+00	3.11E-08	1.75E-05	0.00E+00	0.00E+00	6.50E-05
484	ALL	646041	4200780	NonCancer	0.00E+00	7.47E-08	0.00E+00	8.92E-09	8.92E-09	1.88E-08	1.91E-05	0.00E+00	2.37E-07	0.00E+00	8.92E-09	5.03E-06	0.00E+00	0.00E+00	1.91E-05
485	ALL	646141	4200780	NonCancer	0.00E+00	1.06E-07	0.00E+00	1.27E-08	1.27E-08	1.76E-08	2.65E-05	0.00E+00	3.37E-07	0.00E+00	1.27E-08	7.14E-06	0.00E+00	0.00E+00	2.65E-05
486	ALL	646241	4200780	NonCancer	0.00E+00	1.72E-07	0.00E+00	2.05E-08	2.05E-08	2.35E-08	4.25E-05	0.00E+00	5.45E-07	0.00E+00	2.05E-08	1.15E-05	0.00E+00	0.00E+00	4.25E-05
487	ALL	646341	4200780	NonCancer	0.00E+00	5.96E-08	0.00E+00	7.12E-09	7.12E-09	9.10E-09	1.48E-05	0.00E+00	1.89E-07	0.00E+00	7.12E-09	4.00E-06	0.00E+00	0.00E+00	1.48E-05
488	ALL	646441	4200780	NonCancer	0.00E+00	2.73E-08	0.00E+00	3.26E-09	3.26E-09	4.69E-09	6.81E-06	0.00E+00	8.64E-08	0.00E+00	3.26E-09	1.83E-06	0.00E+00	0.00E+00	6.81E-06
489	ALL	646541	4200780	NonCancer	0.00E+00	1.72E-08	0.00E+00	2.05E-09	2.05E-09	3.15E-09	4.31E-06	0.00E+00	5.45E-08	0.00E+00	2.05E-09	1.16E-06	0.00E+00	0.00E+00	4.31E-06
490	ALL	646641	4200780	NonCancer	0.00E+00	1.23E-08	0.00E+00	1.47E-09	1.47E-09	2.33E-09	3.09E-06	0.00E+00	3.89E-08	0.00E+00	1.47E-09	8.26E-07	0.00E+00	0.00E+00	3.09E-06
491	ALL	646741	4200780	NonCancer	0.00E+00	9.42E-09	0.00E+00	1.12E-09	1.12E-09	1.83E-09	2.37E-06	0.00E+00	2.98E-08	0.00E+00	1.12E-09	6.33E-07	0.00E+00	0.00E+00	2.37E-06
492	ALL	646841	4200780	NonCancer	0.00E+00	7.53E-09	0.00E+00	8.99E-10	8.99E-10	1.49E-09	1.89E-06	0.00E+00	2.38E-08	0.00E+00	8.99E-10	5.06E-07	0.00E+00	0.00E+00	1.89E-06
493	ALL	646941	4200780	NonCancer	0.00E+00	6.21E-09	0.00E+00	7.41E-10	7.41E-10	1.24E-09	1.56E-06	0.00E+00	1.97E-08	0.00E+00	7.41E-10	4.17E-07	0.00E+00	0.00E+00	1.56E-06
494	ALL	647041	4200780	NonCancer	0.00E+00	5.23E-09	0.00E+00	6.25E-10	6.25E-10	1.05E-09	1.32E-06	0.00E+00	1.66E-08	0.00E+00	6.25E-10	3.52E-07	0.00E+00	0.00E+00	1.32E-06
495	ALL	647141	4200780	NonCancer	0.00E+00	4.49E-09	0.00E+00	5.36E-10	5.36E-10	9.10E-10	1.13E-06	0.00E+00	1.42E-08	0.00E+00	5.36E-10	3.02E-07	0.00E+00	0.00E+00	1.13E-06
496	ALL	647241	4200780	NonCancer	0.00E+00	3.91E-09	0.00E+00	4.67E-10	4.67E-10	7.96E-10	9.85E-07	0.00E+00	1.24E-08	0.00E+00	4.67E-10	2.63E-07	0.00E+00	0.00E+00	9.85E-07
497	ALL	647341	4200780	NonCancer	0.00E+00	3.44E-09	0.00E+00	4.11E-10	4.11E-10	7.04E-10	8.68E-07	0.00E+00	1.09E-08	0.00E+00	4.11E-10	2.31E-07	0.00E+00	0.00E+00	8.68E-07
498	ALL	644341	4200880	NonCancer	0.00E+00	1.92E-09	0.00E+00	2.29E-10	2.29E-10	3.99E-10	4.84E-07	0.00E+00	6.07E-09	0.00E+00	2.29E-10	1.29E-07	0.00E+00	0.00E+00	4.84E-07
499	ALL	644441	4200880	NonCancer	0.00E+00	2.16E-09	0.00E+00	2.58E-10	2.58E-10	4.48E-10	5.44E-07	0.00E+00	6.83E-09	0.00E+00	2.58E-10	1.45E-07	0.00E+00	0.00E+00	5.44E-07
500	ALL	644541	4200880	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.92E-10	2.92E-10	5.08E-10	6.18E-07	0.00E+00	7.76E-09	0.00E+00	2.92E-10	1.65E-07	0.00E+00	0.00E+00	6.18E-07
501	ALL	644641	4200880	NonCancer	0.00E+00	2.81E-09	0.00E+00	3.36E-10	3.36E-10	5.81E-10	7.10E-07	0.00E+00	8.91E-09	0.00E+00	3.36E-10	1.89E-07	0.00E+00	0.00E+00	7.10E-07
502	ALL	644741	4200880	NonCancer	0.00E+00	3.27E-09	0.00E+00	3.91E-10	3.91E-10	6.74E-10	8.25E-07	0.00E+00	1.04E-08	0.00E+00	3.91E-10	2.20E-07	0.00E+00	0.00E+00	8.25E-07
503	ALL	644841	4200880	NonCancer	0.00E+00	3.87E-09	0.00E+00	4.62E-10	4.62E-10	7.92E-10	9.76E-07	0.00E+00	1.22E-08	0.00E+00	4.62E-10	2.60E-07	0.00E+00	0.00E+00	9.76E-07
504	ALL	644941	4200880	NonCancer	0.00E+00	4.66E-09	0.00E+00	5.57E-10	5.57E-10	9.49E-10	1.18E-06	0.00E+00	1.48E-08	0.00E+00	5.57E-10	3.13E-07	0.00E+00	0.00E+00	1.18E-06
505	ALL	645041	4200880	NonCancer	0.00E+00	5.76E-09	0.00E+00	6.88E-10	6.88E-10	1.16E-09	1.45E-06	0.00E+00	1.82E-08	0.00E+00	6.88E-10	3.87E-07	0.00E+00	0.00E+00	1.45E-06
506	ALL	645141	4200880	NonCancer	0.00E+00	7.35E-09	0.00E+00	8.78E-10	8.78E-10	1.47E-09	1.85E-06	0.00E+00	2.33E-08	0.00E+00	8.78E-10	4.94E-07	0.00E+00	0.00E+00	1.85E-06
507	ALL	645241	4200880	NonCancer	0.00E+00	9.78E-09	0.00E+00	1.17E-09	1.17E-09	1.93E-09	2.46E-06	0.00E+00	3.10E-08	0.00E+00	1.17E-09	6.57E-07	0.00E+00	0.00E+00	2.46E-06
508	ALL	645341	4200880	NonCancer	0.00E+00	1.38E-08	0.00E+00	1.64E-09	1.64E-09	2.66E-09	3.46E-06	0.00E+00	4.35E-08	0.00E+00	1.64E-09	9.24E-07	0.00E+00	0.00E+00	3.46E-06
509	ALL	645441	4200880	NonCancer	0.00E+00	2.05E-08	0.00E+00	2.45E-09	2.45E-09	3.90E-09	5.16E-06	0.00E+00	6.50E-08	0.00E+00	2.45E-09	1.38E-06	0.00E+00	0.00E+00	5.16E-06
510	ALL	645541	4200880	NonCancer	0.00E+00	3.17E-08	0.00E+00	3.79E-09	3.79E-09	6.02E-09	7.98E-06	0.00E+00	1.00E-07	0.00E+00	3.79E-09	2.13E-06	0.00E+00	0.00E+00	7.98E-06
511	ALL	645641	4200880	NonCancer	0.00E+00	5.09E-08	0.00E+00	6.08E-09	6.08E-09	9.99E-09	1.28E-05	0.00E+00	1.61E-07	0.00E+00	6.08E-09	3.42E-06	0.00E+00	0.00E+00	1.28E-05
512	ALL	645741	4200880	NonCancer	0.00E+00	1.09E-07	0.00E+00	1.30E-08	1.30E-08	2.21E-08	2.76E-05	0.00E+00	3.45E-07	0.00E+00	1.30E-08	7.32E-06	0.00E+00	0.00E+00	2.76E-05
513	ALL	645841	4200880	NonCancer	0.00E+00	2.28E-07	0.00E+00	2.73E-08	2.73E-08	3.84E-08	5.71E-05	0.00E+00	7.23E-07	0.00E+00	2.73E-08	1.53E-05	0.00E+00	0.00E+00	5.71E-05
514	ALL	645941	4200880	NonCancer	0.00E+00	1.38E-07	0.00E+00	1.65E-08	1.65E-08	2.63E-08	3.45E-05	0.00E+00	4.37E-07	0.00E+00	1.65E-08	9.27E-06	0.00E+00	0.00E+00	3.45E-05
515	ALL	646041	4200880	NonCancer	0.00E+00	2.65E-07	0.00E+00	3.17E-08	3.17E-08	3.79E-08	6.56E-05	0.00E+00	8.40E-07	0.00E+00	3.17E-08	1.78E-05	0.00E+00	0.00E+00	6.56E-05
516	ALL	646141	4200880	NonCancer	0.00E+00	1.76E-07	0.00E+00	2.10E-08	2.10E-08	2.47E-08	4.34E-05	0.00E+00	5.56E-07	0.00E+00	2.10E-08	1.18E-05	0.00E+00	0.00E+00	4.34E-05
517	ALL	646241	4200880	NonCancer	0.00E+00	8.87E-08	0.00E+00	1.06E-08	1.06E-08	1.30E-08	2.20E-05	0.00E+00	2.81E-07	0.00E+00	1.06E-08	5.95E-06	0.00E+00	0.00E+00	2.20E-05
518	ALL	646341	4200880	NonCancer	0.00E+00	3.76E-08	0.00E+00	4.49E-09	4.49E-09	6.20E-09	9.36E-06	0.00E+00	1.19E-07	0.00E+00	4.49E-09	2.53E-06	0.00E+00	0.00E+00	9.36E-06
519	ALL	646441	4200880	NonCancer	0.00E+00	2.21E-08	0.00E+00	2.64E-09	2.64E-09	3.91E-09	5.52E-06	0.00E+00	6.99E-08	0.00E+00	2.64E-09	1.48E-06	0.00E+00	0.00E+00	5.52E-06
520	ALL	646541	4200880	NonCancer	0.00E+00	1.50E-08	0.00E+00	1.79E-09	1.79E-09	2.78E-09	3.76E-06	0.00E+00	4.75E-08	0.00E+00	1.79E-09	1.01E-06	0.00E+00	0.00E+00	3.76E-06
521	ALL	646641	4200880	NonCancer	0.00E+00	1.11E-08	0.00E+00	1.33E-09	1.33E-09	2.12E-09	2.79E-06	0.00E+00	3.52E-08	0.00E+00	1.33E-09	7.46E-07	0.00E+00	0.00E+00	2.79E-06
522	ALL	646741	4200880	NonCancer	0.00E+00	8.67E-09	0.00E+00	1.04E-09	1.04E-09	1.69E-09	2.18E-06	0.00E+00	2.74E-08	0.00E+00	1.04E-09	5.82E-07	0.00E+00	0.00E+00	2.18E-06
523	ALL	646841	4200880	NonCancer	0.00E+00	7.02E-09	0.00E+00	8.38E-10	8.38E-10	1.39E-09	1.77E-06	0.00E+00	2.22E-08	0.00E+00	8.38E-10	4.72E-07	0.00E+00	0.00E+00	1.77E-06
524	ALL	646941	4200880	NonCancer	0.00E+00	5.84E-09	0.00E+00	6.97E-10	6.97E-10	1.17E-09	1.47E-06	0.00E+00	1.85E-08	0.00E+00	6.97E-10	3.93E-07	0.00E+00	0.00E+00	1.47E-06
525	ALL	647041	4200880	NonCancer	0.00E+00	4.96E-09	0.00E+00	5.92E-10	5.92E-10	9.98E-10	1.25E-06	0.00E+00	1.57E-08	0.00E+00	5.92E-10	3.33E-07	0.00E+00	0.00E+00	1.25E-06
526	ALL	647141	4200880	NonCancer	0.00E+00	4.28E-09	0.00E+00	5.11E-10	5.11E-10	8.67E-10	1.08E-06	0.00E+00	1.35E-08	0.00E+00	5.11E-10	2.88E-07	0.00E+00	0.00E+00	1.08E-06
527	ALL	647241	4200880	NonCancer	0.00E+00	3.74E-09	0.00E+00	4.47E-10	4.47E-10	7.61E-10	9.42E-07	0.00E+00	1.18E-08	0.00E+00	4.47E-10	2.51E-07	0.00E+00	0.00E+00	9.42E-07
528	ALL	647341	4200880	NonCancer	0.00E+00	3.31E-09	0.00E+00	3.95E-10	3.95E-10	6.75E-10	8.33E-07	0.00E+00	1.05E-08	0.00E+00	3.95E-10	2.22E-07	0.00E+00	0.00E+00	8.33E-07

529	ALL	644341	4200980	NonCancer	0.00E+00	1.94E-09	0.00E+00	2.31E-10	2.31E-10	4.04E-10	4.89E-07	0.00E+00	6.13E-09	0.00E+00	2.31E-10	1.30E-07	0.00E+00	0.00E+00	4.89E-07
530	ALL	644441	4200980	NonCancer	0.00E+00	2.18E-09	0.00E+00	2.60E-10	2.60E-10	4.54E-10	5.49E-07	0.00E+00	6.89E-09	0.00E+00	2.60E-10	1.46E-07	0.00E+00	0.00E+00	5.49E-07
531	ALL	644541	4200980	NonCancer	0.00E+00	2.47E-09	0.00E+00	2.95E-10	2.95E-10	5.13E-10	6.23E-07	0.00E+00	7.81E-09	0.00E+00	2.95E-10	1.66E-07	0.00E+00	0.00E+00	6.23E-07
532	ALL	644641	4200980	NonCancer	0.00E+00	2.83E-09	0.00E+00	3.38E-10	3.38E-10	5.87E-10	7.13E-07	0.00E+00	8.95E-09	0.00E+00	3.38E-10	1.90E-07	0.00E+00	0.00E+00	7.13E-07
533	ALL	644741	4200980	NonCancer	0.00E+00	3.28E-09	0.00E+00	3.92E-10	3.92E-10	6.78E-10	8.27E-07	0.00E+00	1.04E-08	0.00E+00	3.92E-10	2.20E-07	0.00E+00	0.00E+00	8.27E-07
534	ALL	644841	4200980	NonCancer	0.00E+00	3.86E-09	0.00E+00	4.61E-10	4.61E-10	7.95E-10	9.73E-07	0.00E+00	1.22E-08	0.00E+00	4.61E-10	2.59E-07	0.00E+00	0.00E+00	9.73E-07
535	ALL	644941	4200980	NonCancer	0.00E+00	4.62E-09	0.00E+00	5.51E-10	5.51E-10	9.48E-10	1.16E-06	0.00E+00	1.46E-08	0.00E+00	5.51E-10	3.10E-07	0.00E+00	0.00E+00	1.16E-06
536	ALL	645041	4200980	NonCancer	0.00E+00	5.65E-09	0.00E+00	6.74E-10	6.74E-10	1.15E-09	1.42E-06	0.00E+00	1.79E-08	0.00E+00	6.74E-10	3.80E-07	0.00E+00	0.00E+00	1.42E-06
537	ALL	645141	4200980	NonCancer	0.00E+00	7.08E-09	0.00E+00	8.46E-10	8.46E-10	1.44E-09	1.79E-06	0.00E+00	2.24E-08	0.00E+00	8.46E-10	4.76E-07	0.00E+00	0.00E+00	1.79E-06
538	ALL	645241	4200980	NonCancer	0.00E+00	9.16E-09	0.00E+00	1.09E-09	1.09E-09	1.85E-09	2.31E-06	0.00E+00	2.90E-08	0.00E+00	1.09E-09	6.15E-07	0.00E+00	0.00E+00	2.31E-06
539	ALL	645341	4200980	NonCancer	0.00E+00	1.22E-08	0.00E+00	1.45E-09	1.45E-09	2.45E-09	3.07E-06	0.00E+00	3.86E-08	0.00E+00	1.45E-09	8.19E-07	0.00E+00	0.00E+00	3.07E-06
540	ALL	645441	4200980	NonCancer	0.00E+00	1.65E-08	0.00E+00	1.97E-09	1.97E-09	3.35E-09	4.16E-06	0.00E+00	5.22E-08	0.00E+00	1.97E-09	1.11E-06	0.00E+00	0.00E+00	4.16E-06
541	ALL	645541	4200980	NonCancer	0.00E+00	2.23E-08	0.00E+00	2.66E-09	2.66E-09	4.70E-09	5.64E-06	0.00E+00	7.06E-08	0.00E+00	2.66E-09	1.50E-06	0.00E+00	0.00E+00	5.64E-06
542	ALL	645641	4200980	NonCancer	0.00E+00	3.05E-08	0.00E+00	3.64E-09	3.64E-09	6.85E-09	7.74E-06	0.00E+00	9.66E-08	0.00E+00	3.64E-09	2.05E-06	0.00E+00	0.00E+00	7.74E-06
543	ALL	645741	4200980	NonCancer	0.00E+00	4.48E-08	0.00E+00	5.35E-09	5.35E-09	1.03E-08	1.13E-05	0.00E+00	1.42E-07	0.00E+00	5.35E-09	3.01E-06	0.00E+00	0.00E+00	1.13E-05
544	ALL	645841	4200980	NonCancer	0.00E+00	7.54E-08	0.00E+00	9.01E-09	9.01E-09	1.33E-08	1.88E-05	0.00E+00	2.39E-07	0.00E+00	9.01E-09	5.07E-06	0.00E+00	0.00E+00	1.88E-05
545	ALL	645941	4200980	NonCancer	0.00E+00	1.01E-07	0.00E+00	1.21E-08	1.21E-08	1.52E-08	2.51E-05	0.00E+00	3.20E-07	0.00E+00	1.21E-08	6.78E-06	0.00E+00	0.00E+00	2.51E-05
546	ALL	646041	4200980	NonCancer	0.00E+00	6.79E-08	0.00E+00	8.11E-09	8.11E-09	1.05E-08	1.69E-05	0.00E+00	2.15E-07	0.00E+00	8.11E-09	4.56E-06	0.00E+00	0.00E+00	1.69E-05
547	ALL	646141	4200980	NonCancer	0.00E+00	4.46E-08	0.00E+00	5.33E-09	5.33E-09	7.33E-09	1.11E-05	0.00E+00	1.41E-07	0.00E+00	5.33E-09	3.00E-06	0.00E+00	0.00E+00	1.11E-05
548	ALL	646241	4200980	NonCancer	0.00E+00	2.96E-08	0.00E+00	3.53E-09	3.53E-09	5.11E-09	7.38E-06	0.00E+00	9.37E-08	0.00E+00	3.53E-09	1.99E-06	0.00E+00	0.00E+00	7.38E-06
549	ALL	646341	4200980	NonCancer	0.00E+00	2.04E-08	0.00E+00	2.44E-09	2.44E-09	3.69E-09	5.11E-06	0.00E+00	6.47E-08	0.00E+00	2.44E-09	1.37E-06	0.00E+00	0.00E+00	5.11E-06
550	ALL	646441	4200980	NonCancer	0.00E+00	1.49E-08	0.00E+00	1.78E-09	1.78E-09	2.78E-09	3.74E-06	0.00E+00	4.72E-08	0.00E+00	1.78E-09	1.00E-06	0.00E+00	0.00E+00	3.74E-06
551	ALL	646541	4200980	NonCancer	0.00E+00	1.14E-08	0.00E+00	1.36E-09	1.36E-09	2.18E-09	2.86E-06	0.00E+00	3.62E-08	0.00E+00	1.36E-09	7.67E-07	0.00E+00	0.00E+00	2.86E-06
552	ALL	646641	4200980	NonCancer	0.00E+00	9.06E-09	0.00E+00	1.08E-09	1.08E-09	1.76E-09	2.28E-06	0.00E+00	2.87E-08	0.00E+00	1.08E-09	6.09E-07	0.00E+00	0.00E+00	2.28E-06
553	ALL	646741	4200980	NonCancer	0.00E+00	7.39E-09	0.00E+00	8.83E-10	8.83E-10	1.46E-09	1.86E-06	0.00E+00	2.34E-08	0.00E+00	8.83E-10	4.97E-07	0.00E+00	0.00E+00	1.86E-06
554	ALL	646841	4200980	NonCancer	0.00E+00	6.17E-09	0.00E+00	7.37E-10	7.37E-10	1.23E-09	1.55E-06	0.00E+00	1.95E-08	0.00E+00	7.37E-10	4.15E-07	0.00E+00	0.00E+00	1.55E-06
555	ALL	646941	4200980	NonCancer	0.00E+00	5.24E-09	0.00E+00	6.26E-10	6.26E-10	1.05E-09	1.32E-06	0.00E+00	1.66E-08	0.00E+00	6.26E-10	3.52E-07	0.00E+00	0.00E+00	1.32E-06
556	ALL	647041	4200980	NonCancer	0.00E+00	4.52E-09	0.00E+00	5.40E-10	5.40E-10	9.13E-10	1.14E-06	0.00E+00	1.43E-08	0.00E+00	5.40E-10	3.04E-07	0.00E+00	0.00E+00	1.14E-06
557	ALL	647141	4200980	NonCancer	0.00E+00	3.95E-09	0.00E+00	4.71E-10	4.71E-10	8.01E-10	9.94E-07	0.00E+00	1.25E-08	0.00E+00	4.71E-10	2.65E-07	0.00E+00	0.00E+00	9.94E-07
558	ALL	647241	4200980	NonCancer	0.00E+00	3.48E-09	0.00E+00	4.16E-10	4.16E-10	7.10E-10	8.77E-07	0.00E+00	1.10E-08	0.00E+00	4.16E-10	2.34E-07	0.00E+00	0.00E+00	8.77E-07
559	ALL	647341	4200980	NonCancer	0.00E+00	3.10E-09	0.00E+00	3.70E-10	3.70E-10	6.34E-10	7.81E-07	0.00E+00	9.82E-09	0.00E+00	3.70E-10	2.08E-07	0.00E+00	0.00E+00	7.81E-07
560	ALL	644341	4201080	NonCancer	0.00E+00	1.93E-09	0.00E+00	2.30E-10	2.30E-10	4.03E-10	4.87E-07	0.00E+00	6.11E-09	0.00E+00	2.30E-10	1.30E-07	0.00E+00	0.00E+00	4.87E-07
561	ALL	644441	4201080	NonCancer	0.00E+00	2.16E-09	0.00E+00	2.58E-10	2.58E-10	4.51E-10	5.46E-07	0.00E+00	6.84E-09	0.00E+00	2.58E-10	1.45E-07	0.00E+00	0.00E+00	5.46E-07
562	ALL	644541	4201080	NonCancer	0.00E+00	2.44E-09	0.00E+00	2.92E-10	2.92E-10	5.09E-10	6.17E-07	0.00E+00	7.74E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.17E-07
563	ALL	644641	4201080	NonCancer	0.00E+00	2.79E-09	0.00E+00	3.33E-10	3.33E-10	5.80E-10	7.03E-07	0.00E+00	8.82E-09	0.00E+00	3.33E-10	1.87E-07	0.00E+00	0.00E+00	7.03E-07
564	ALL	644741	4201080	NonCancer	0.00E+00	3.21E-09	0.00E+00	3.84E-10	3.84E-10	6.68E-10	8.11E-07	0.00E+00	1.02E-08	0.00E+00	3.84E-10	2.16E-07	0.00E+00	0.00E+00	8.11E-07
565	ALL	644841	4201080	NonCancer	0.00E+00	3.75E-09	0.00E+00	4.48E-10	4.48E-10	7.78E-10	9.47E-07	0.00E+00	1.19E-08	0.00E+00	4.48E-10	2.52E-07	0.00E+00	0.00E+00	9.47E-07
566	ALL	644941	4201080	NonCancer	0.00E+00	4.45E-09	0.00E+00	5.31E-10	5.31E-10	9.19E-10	1.12E-06	0.00E+00	1.41E-08	0.00E+00	5.31E-10	2.99E-07	0.00E+00	0.00E+00	1.12E-06
567	ALL	645041	4201080	NonCancer	0.00E+00	5.36E-09	0.00E+00	6.40E-10	6.40E-10	1.10E-09	1.35E-06	0.00E+00	1.70E-08	0.00E+00	6.40E-10	3.60E-07	0.00E+00	0.00E+00	1.35E-06
568	ALL	645141	4201080	NonCancer	0.00E+00	6.58E-09	0.00E+00	7.86E-10	7.86E-10	1.35E-09	1.66E-06	0.00E+00	2.08E-08	0.00E+00	7.86E-10	4.42E-07	0.00E+00	0.00E+00	1.66E-06
569	ALL	645241	4201080	NonCancer	0.00E+00	8.21E-09	0.00E+00	9.80E-10	9.80E-10	1.69E-09	2.07E-06	0.00E+00	2.60E-08	0.00E+00	9.80E-10	5.52E-07	0.00E+00	0.00E+00	2.07E-06
570	ALL	645341	4201080	NonCancer	0.00E+00	1.03E-08	0.00E+00	1.23E-09	1.23E-09	2.14E-09	2.60E-06	0.00E+00	3.27E-08	0.00E+00	1.23E-09	6.93E-07	0.00E+00	0.00E+00	2.60E-06
571	ALL	645441	4201080	NonCancer	0.00E+00	1.29E-08	0.00E+00	1.54E-09	1.54E-09	2.75E-09	3.26E-06	0.00E+00	4.09E-08	0.00E+00	1.54E-09	8.68E-07	0.00E+00	0.00E+00	3.26E-06
572	ALL	645541	4201080	NonCancer	0.00E+00	1.60E-08	0.00E+00	1.91E-09	1.91E-09	3.54E-09	4.05E-06	0.00E+00	5.06E-08	0.00E+00	1.91E-09	1.07E-06	0.00E+00	0.00E+00	4.05E-06
573	ALL	645641	4201080	NonCancer	0.00E+00	1.97E-08	0.00E+00	2.35E-09	2.35E-09	4.51E-09	4.99E-06	0.00E+00	6.23E-08	0.00E+00	2.35E-09	1.32E-06	0.00E+00	0.00E+00	4.99E-06
574	ALL	645741	4201080	NonCancer	0.00E+00	2.39E-08	0.00E+00	2.86E-09	2.86E-09	5.14E-09	6.04E-06	0.00E+00	7.58E-08	0.00E+00	2.86E-09	1.61E-06	0.00E+00	0.00E+00	6.04E-06
575	ALL	645841	4201080	NonCancer	0.00E+00	2.83E-08	0.00E+00	3.38E-09	3.38E-09	5.30E-09	7.10E-06	0.00E+00	8.97E-08	0.00E+00	3.38E-09	1.90E-06	0.00E+00	0.00E+00	7.10E-06
576	ALL	645941	4201080	NonCancer	0.00E+00	2.83E-08	0.00E+00	3.38E-09	3.38E-09	4.99E-09	7.07E-06	0.00E+00	8.96E-08	0.00E+00	3.38E-09	1.90E-06	0.00E+00	0.00E+00	7.07E-06
577	ALL	646041	4201080	NonCancer	0.00E+00	2.40E-08	0.00E+00	2.86E-09	2.86E-09	4.11E-09	5.99E-06	0.00E+00	7.59E-08	0.00E+00	2.86E-09	1.61E-06	0.00E+00	0.00E+00	5.99E-06
578	ALL	646141	4201080	NonCancer	0.00E+00	1.96E-08	0.00E+00	2.34E-09	2.34E-09	3.50E-09	4.90E-06	0.00E+00	6.21E-08	0.00E+00	2.34E-09	1.32E-06	0.00E+00	0.00E+00	4.90E-06
579	ALL	646241	4201080	NonCancer	0.00E+00	1.56E-08	0.00E+00	1.87E-09	1.87E-09	2.85E-09	3.91E-06	0.00E+00	4.95E-08	0.00E+00	1.87E-09	1.05E-06	0.00E+00	0.00E+00	3.91E-06
580	ALL	646341	4201080	NonCancer	0.00E+00	1.25E-08	0.00E+00	1.49E-09	1.49E-09	2.34E-09	3.13E-06	0.00E+00	3.95E-08	0.00E+00	1.49E-09	8.39E-07	0.00E+00	0.00E+00	3.13E-06
581	ALL	646441	4201080	NonCancer	0.00E+00	1.01E-08	0.00E+00	1.21E-09	1.21E-09	1.94E-09	2.53E-06	0.00E+00	3.20E-08	0.00E+00	1.21E-09	6.79E-07	0.00E+00	0.00E+00	2.53E-06

582	ALL	646541	4201080	NonCancer	0.00E+00	8.33E-09	0.00E+00	9.95E-10	9.95E-10	1.63E-09	2.09E-06	0.00E+00	2.64E-08	0.00E+00	9.95E-10	5.60E-07	0.00E+00	0.00E+00	2.09E-06
583	ALL	646641	4201080	NonCancer	0.00E+00	7.00E-09	0.00E+00	8.36E-10	8.36E-10	1.38E-09	1.76E-06	0.00E+00	2.22E-08	0.00E+00	8.36E-10	4.71E-07	0.00E+00	0.00E+00	1.76E-06
584	ALL	646741	4201080	NonCancer	0.00E+00	5.97E-09	0.00E+00	7.13E-10	7.13E-10	1.19E-09	1.50E-06	0.00E+00	1.89E-08	0.00E+00	7.13E-10	4.02E-07	0.00E+00	0.00E+00	1.50E-06
585	ALL	646841	4201080	NonCancer	0.00E+00	5.16E-09	0.00E+00	6.16E-10	6.16E-10	1.04E-09	1.30E-06	0.00E+00	1.63E-08	0.00E+00	6.16E-10	3.47E-07	0.00E+00	0.00E+00	1.30E-06
586	ALL	646941	4201080	NonCancer	0.00E+00	4.50E-09	0.00E+00	5.38E-10	5.38E-10	9.09E-10	1.13E-06	0.00E+00	1.43E-08	0.00E+00	5.38E-10	3.03E-07	0.00E+00	0.00E+00	1.13E-06
587	ALL	647041	4201080	NonCancer	0.00E+00	3.97E-09	0.00E+00	4.74E-10	4.74E-10	8.05E-10	9.98E-07	0.00E+00	1.26E-08	0.00E+00	4.74E-10	2.67E-07	0.00E+00	0.00E+00	9.98E-07
588	ALL	647141	4201080	NonCancer	0.00E+00	3.52E-09	0.00E+00	4.20E-10	4.20E-10	7.17E-10	8.87E-07	0.00E+00	1.12E-08	0.00E+00	4.20E-10	2.37E-07	0.00E+00	0.00E+00	8.87E-07
589	ALL	647241	4201080	NonCancer	0.00E+00	3.15E-09	0.00E+00	3.76E-10	3.76E-10	6.44E-10	7.93E-07	0.00E+00	9.97E-09	0.00E+00	3.76E-10	2.12E-07	0.00E+00	0.00E+00	7.93E-07
590	ALL	647341	4201080	NonCancer	0.00E+00	2.84E-09	0.00E+00	3.39E-10	3.39E-10	5.81E-10	7.15E-07	0.00E+00	8.98E-09	0.00E+00	3.39E-10	1.91E-07	0.00E+00	0.00E+00	7.15E-07
591	ALL	644341	4201180	NonCancer	0.00E+00	1.90E-09	0.00E+00	2.27E-10	2.27E-10	3.97E-10	4.79E-07	0.00E+00	6.01E-09	0.00E+00	2.27E-10	1.28E-07	0.00E+00	0.00E+00	4.79E-07
592	ALL	644441	4201180	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.53E-10	2.53E-10	4.43E-10	5.35E-07	0.00E+00	6.71E-09	0.00E+00	2.53E-10	1.43E-07	0.00E+00	0.00E+00	5.35E-07
593	ALL	644541	4201180	NonCancer	0.00E+00	2.39E-09	0.00E+00	2.85E-10	2.85E-10	4.98E-10	6.02E-07	0.00E+00	7.55E-09	0.00E+00	2.85E-10	1.60E-07	0.00E+00	0.00E+00	6.02E-07
594	ALL	644641	4201180	NonCancer	0.00E+00	2.71E-09	0.00E+00	3.23E-10	3.23E-10	5.65E-10	6.83E-07	0.00E+00	8.57E-09	0.00E+00	3.23E-10	1.82E-07	0.00E+00	0.00E+00	6.83E-07
595	ALL	644741	4201180	NonCancer	0.00E+00	3.10E-09	0.00E+00	3.70E-10	3.70E-10	6.46E-10	7.83E-07	0.00E+00	9.82E-09	0.00E+00	3.70E-10	2.08E-07	0.00E+00	0.00E+00	7.83E-07
596	ALL	644841	4201180	NonCancer	0.00E+00	3.59E-09	0.00E+00	4.29E-10	4.29E-10	7.46E-10	9.06E-07	0.00E+00	1.14E-08	0.00E+00	4.29E-10	2.41E-07	0.00E+00	0.00E+00	9.06E-07
597	ALL	644941	4201180	NonCancer	0.00E+00	4.20E-09	0.00E+00	5.02E-10	5.02E-10	8.73E-10	1.06E-06	0.00E+00	1.33E-08	0.00E+00	5.02E-10	2.83E-07	0.00E+00	0.00E+00	1.06E-06
598	ALL	645041	4201180	NonCancer	0.00E+00	4.98E-09	0.00E+00	5.95E-10	5.95E-10	1.03E-09	1.26E-06	0.00E+00	1.58E-08	0.00E+00	5.95E-10	3.35E-07	0.00E+00	0.00E+00	1.26E-06
599	ALL	645141	4201180	NonCancer	0.00E+00	5.96E-09	0.00E+00	7.12E-10	7.12E-10	1.24E-09	1.50E-06	0.00E+00	1.89E-08	0.00E+00	7.12E-10	4.01E-07	0.00E+00	0.00E+00	1.50E-06
600	ALL	645241	4201180	NonCancer	0.00E+00	7.16E-09	0.00E+00	8.54E-10	8.54E-10	1.50E-09	1.81E-06	0.00E+00	2.27E-08	0.00E+00	8.54E-10	4.81E-07	0.00E+00	0.00E+00	1.81E-06
601	ALL	645341	4201180	NonCancer	0.00E+00	8.55E-09	0.00E+00	1.02E-09	1.02E-09	1.82E-09	2.16E-06	0.00E+00	2.71E-08	0.00E+00	1.02E-09	5.75E-07	0.00E+00	0.00E+00	2.16E-06
602	ALL	645441	4201180	NonCancer	0.00E+00	1.01E-08	0.00E+00	1.21E-09	1.21E-09	2.20E-09	2.55E-06	0.00E+00	3.20E-08	0.00E+00	1.21E-09	6.79E-07	0.00E+00	0.00E+00	2.55E-06
603	ALL	645541	4201180	NonCancer	0.00E+00	1.17E-08	0.00E+00	1.40E-09	1.40E-09	2.62E-09	2.97E-06	0.00E+00	3.71E-08	0.00E+00	1.40E-09	7.88E-07	0.00E+00	0.00E+00	2.97E-06
604	ALL	645641	4201180	NonCancer	0.00E+00	1.34E-08	0.00E+00	1.60E-09	1.60E-09	2.96E-09	3.39E-06	0.00E+00	4.24E-08	0.00E+00	1.60E-09	9.01E-07	0.00E+00	0.00E+00	3.39E-06
605	ALL	645741	4201180	NonCancer	0.00E+00	1.49E-08	0.00E+00	1.78E-09	1.78E-09	3.07E-09	3.75E-06	0.00E+00	4.72E-08	0.00E+00	1.78E-09	1.00E-06	0.00E+00	0.00E+00	3.75E-06
606	ALL	645841	4201180	NonCancer	0.00E+00	1.55E-08	0.00E+00	1.85E-09	1.85E-09	2.96E-09	3.89E-06	0.00E+00	4.91E-08	0.00E+00	1.85E-09	1.04E-06	0.00E+00	0.00E+00	3.89E-06
607	ALL	645941	4201180	NonCancer	0.00E+00	1.49E-08	0.00E+00	1.78E-09	1.78E-09	2.79E-09	3.74E-06	0.00E+00	4.72E-08	0.00E+00	1.78E-09	1.00E-06	0.00E+00	0.00E+00	3.74E-06
608	ALL	646041	4201180	NonCancer	0.00E+00	1.34E-08	0.00E+00	1.60E-09	1.60E-09	2.49E-09	3.35E-06	0.00E+00	4.23E-08	0.00E+00	1.60E-09	8.98E-07	0.00E+00	0.00E+00	3.35E-06
609	ALL	646141	4201180	NonCancer	0.00E+00	1.15E-08	0.00E+00	1.37E-09	1.37E-09	2.15E-09	2.88E-06	0.00E+00	3.64E-08	0.00E+00	1.37E-09	7.72E-07	0.00E+00	0.00E+00	2.88E-06
610	ALL	646241	4201180	NonCancer	0.00E+00	9.81E-09	0.00E+00	1.17E-09	1.17E-09	1.85E-09	2.46E-06	0.00E+00	3.11E-08	0.00E+00	1.17E-09	6.59E-07	0.00E+00	0.00E+00	2.46E-06
611	ALL	646341	4201180	NonCancer	0.00E+00	8.37E-09	0.00E+00	9.99E-10	9.99E-10	1.60E-09	2.10E-06	0.00E+00	2.65E-08	0.00E+00	9.99E-10	5.62E-07	0.00E+00	0.00E+00	2.10E-06
612	ALL	646441	4201180	NonCancer	0.00E+00	7.16E-09	0.00E+00	8.55E-10	8.55E-10	1.39E-09	1.80E-06	0.00E+00	2.27E-08	0.00E+00	8.55E-10	4.81E-07	0.00E+00	0.00E+00	1.80E-06
613	ALL	646541	4201180	NonCancer	0.00E+00	6.18E-09	0.00E+00	7.38E-10	7.38E-10	1.22E-09	1.55E-06	0.00E+00	1.96E-08	0.00E+00	7.38E-10	4.15E-07	0.00E+00	0.00E+00	1.55E-06
614	ALL	646641	4201180	NonCancer	0.00E+00	5.39E-09	0.00E+00	6.44E-10	6.44E-10	1.07E-09	1.36E-06	0.00E+00	1.71E-08	0.00E+00	6.44E-10	3.62E-07	0.00E+00	0.00E+00	1.36E-06
615	ALL	646741	4201180	NonCancer	0.00E+00	4.75E-09	0.00E+00	5.67E-10	5.67E-10	9.54E-10	1.19E-06	0.00E+00	1.50E-08	0.00E+00	5.67E-10	3.19E-07	0.00E+00	0.00E+00	1.19E-06
616	ALL	646841	4201180	NonCancer	0.00E+00	4.22E-09	0.00E+00	5.04E-10	5.04E-10	8.53E-10	1.06E-06	0.00E+00	1.34E-08	0.00E+00	5.04E-10	2.83E-07	0.00E+00	0.00E+00	1.06E-06
617	ALL	646941	4201180	NonCancer	0.00E+00	3.77E-09	0.00E+00	4.50E-10	4.50E-10	7.66E-10	9.49E-07	0.00E+00	1.19E-08	0.00E+00	4.50E-10	2.53E-07	0.00E+00	0.00E+00	9.49E-07
618	ALL	647041	4201180	NonCancer	0.00E+00	3.39E-09	0.00E+00	4.05E-10	4.05E-10	6.91E-10	8.54E-07	0.00E+00	1.07E-08	0.00E+00	4.05E-10	2.28E-07	0.00E+00	0.00E+00	8.54E-07
619	ALL	647141	4201180	NonCancer	0.00E+00	3.06E-09	0.00E+00	3.66E-10	3.66E-10	6.26E-10	7.72E-07	0.00E+00	9.70E-09	0.00E+00	3.66E-10	2.06E-07	0.00E+00	0.00E+00	7.72E-07
620	ALL	647241	4201180	NonCancer	0.00E+00	2.78E-09	0.00E+00	3.32E-10	3.32E-10	5.70E-10	7.01E-07	0.00E+00	8.81E-09	0.00E+00	3.32E-10	1.87E-07	0.00E+00	0.00E+00	7.01E-07
621	ALL	647341	4201180	NonCancer	0.00E+00	2.54E-09	0.00E+00	3.03E-10	3.03E-10	5.21E-10	6.39E-07	0.00E+00	8.03E-09	0.00E+00	3.03E-10	1.71E-07	0.00E+00	0.00E+00	6.39E-07
622	ALL	644341	4201280	NonCancer	0.00E+00	1.85E-09	0.00E+00	2.21E-10	2.21E-10	3.88E-10	4.68E-07	0.00E+00	5.87E-09	0.00E+00	2.21E-10	1.25E-07	0.00E+00	0.00E+00	4.68E-07
623	ALL	644441	4201280	NonCancer	0.00E+00	2.06E-09	0.00E+00	2.46E-10	2.46E-10	4.31E-10	5.20E-07	0.00E+00	6.53E-09	0.00E+00	2.46E-10	1.39E-07	0.00E+00	0.00E+00	5.20E-07
624	ALL	644541	4201280	NonCancer	0.00E+00	2.31E-09	0.00E+00	2.76E-10	2.76E-10	4.83E-10	5.83E-07	0.00E+00	7.31E-09	0.00E+00	2.76E-10	1.55E-07	0.00E+00	0.00E+00	5.83E-07
625	ALL	644641	4201280	NonCancer	0.00E+00	2.60E-09	0.00E+00	3.11E-10	3.11E-10	5.44E-10	6.57E-07	0.00E+00	8.24E-09	0.00E+00	3.11E-10	1.75E-07	0.00E+00	0.00E+00	6.57E-07
626	ALL	644741	4201280	NonCancer	0.00E+00	2.96E-09	0.00E+00	3.53E-10	3.53E-10	6.18E-10	7.47E-07	0.00E+00	9.37E-09	0.00E+00	3.53E-10	1.99E-07	0.00E+00	0.00E+00	7.47E-07
627	ALL	644841	4201280	NonCancer	0.00E+00	3.39E-09	0.00E+00	4.05E-10	4.05E-10	7.08E-10	8.57E-07	0.00E+00	1.07E-08	0.00E+00	4.05E-10	2.28E-07	0.00E+00	0.00E+00	8.57E-07
628	ALL	644941	4201280	NonCancer	0.00E+00	3.92E-09	0.00E+00	4.68E-10	4.68E-10	8.17E-10	9.90E-07	0.00E+00	1.24E-08	0.00E+00	4.68E-10	2.64E-07	0.00E+00	0.00E+00	9.90E-07
629	ALL	645041	4201280	NonCancer	0.00E+00	4.56E-09	0.00E+00	5.44E-10	5.44E-10	9.51E-10	1.15E-06	0.00E+00	1.44E-08	0.00E+00	5.44E-10	3.06E-07	0.00E+00	0.00E+00	1.15E-06
630	ALL	645141	4201280	NonCancer	0.00E+00	5.30E-09	0.00E+00	6.33E-10	6.33E-10	1.11E-09	1.34E-06	0.00E+00	1.68E-08	0.00E+00	6.33E-10	3.57E-07	0.00E+00	0.00E+00	1.34E-06
631	ALL	645241	4201280	NonCancer	0.00E+00	6.15E-09	0.00E+00	7.34E-10	7.34E-10	1.31E-09	1.55E-06	0.00E+00	1.95E-08	0.00E+00	7.34E-10	4.13E-07	0.00E+00	0.00E+00	1.55E-06
632	ALL	645341	4201280	NonCancer	0.00E+00	7.05E-09	0.00E+00	8.42E-10	8.42E-10	1.52E-09	1.78E-06	0.00E+00	2.23E-08	0.00E+00	8.42E-10	4.74E-07	0.00E+00	0.00E+00	1.78E-06
633	ALL	645441	4201280	NonCancer	0.00E+00	7.96E-09	0.00E+00	9.50E-10	9.50E-10	1.75E-09	2.01E-06	0.00E+00	2.52E-08	0.00E+00	9.50E-10	5.35E-07	0.00E+00	0.00E+00	2.01E-06
634	ALL	645541	4201280	NonCancer	0.00E+00	8.82E-09	0.00E+00	1.05E-09	1.05E-09	1.94E-09	2.23E-06	0.00E+00	2.79E-08	0.00E+00	1.05E-09	5.93E-07	0.00E+00	0.00E+00	2.23E-06

635	ALL	645641	4201280	NonCancer	0.00E+00	9.57E-09	0.00E+00	1.14E-09	1.14E-09	2.04E-09	2.42E-06	0.00E+00	3.03E-08	0.00E+00	1.14E-09	6.43E-07	0.00E+00	0.00E+00	2.42E-06
636	ALL	645741	4201280	NonCancer	0.00E+00	1.00E-08	0.00E+00	1.20E-09	1.20E-09	2.02E-09	2.53E-06	0.00E+00	3.18E-08	0.00E+00	1.20E-09	6.75E-07	0.00E+00	0.00E+00	2.53E-06
637	ALL	645841	4201280	NonCancer	0.00E+00	1.00E-08	0.00E+00	1.20E-09	1.20E-09	1.94E-09	2.53E-06	0.00E+00	3.18E-08	0.00E+00	1.20E-09	6.75E-07	0.00E+00	0.00E+00	2.53E-06
638	ALL	645941	4201280	NonCancer	0.00E+00	9.54E-09	0.00E+00	1.14E-09	1.14E-09	1.83E-09	2.40E-06	0.00E+00	3.02E-08	0.00E+00	1.14E-09	6.41E-07	0.00E+00	0.00E+00	2.40E-06
639	ALL	646041	4201280	NonCancer	0.00E+00	8.68E-09	0.00E+00	1.04E-09	1.04E-09	1.66E-09	2.18E-06	0.00E+00	2.75E-08	0.00E+00	1.04E-09	5.83E-07	0.00E+00	0.00E+00	2.18E-06
640	ALL	646141	4201280	NonCancer	0.00E+00	7.79E-09	0.00E+00	9.30E-10	9.30E-10	1.49E-09	1.96E-06	0.00E+00	2.47E-08	0.00E+00	9.30E-10	5.23E-07	0.00E+00	0.00E+00	1.96E-06
641	ALL	646241	4201280	NonCancer	0.00E+00	6.91E-09	0.00E+00	8.25E-10	8.25E-10	1.33E-09	1.74E-06	0.00E+00	2.19E-08	0.00E+00	8.25E-10	4.64E-07	0.00E+00	0.00E+00	1.74E-06
642	ALL	646341	4201280	NonCancer	0.00E+00	6.09E-09	0.00E+00	7.28E-10	7.28E-10	1.18E-09	1.53E-06	0.00E+00	1.93E-08	0.00E+00	7.28E-10	4.10E-07	0.00E+00	0.00E+00	1.53E-06
643	ALL	646441	4201280	NonCancer	0.00E+00	5.37E-09	0.00E+00	6.42E-10	6.42E-10	1.05E-09	1.35E-06	0.00E+00	1.70E-08	0.00E+00	6.42E-10	3.61E-07	0.00E+00	0.00E+00	1.35E-06
644	ALL	646541	4201280	NonCancer	0.00E+00	4.76E-09	0.00E+00	5.69E-10	5.69E-10	9.40E-10	1.20E-06	0.00E+00	1.51E-08	0.00E+00	5.69E-10	3.20E-07	0.00E+00	0.00E+00	1.20E-06
645	ALL	646641	4201280	NonCancer	0.00E+00	4.25E-09	0.00E+00	5.07E-10	5.07E-10	8.47E-10	1.07E-06	0.00E+00	1.35E-08	0.00E+00	5.07E-10	2.86E-07	0.00E+00	0.00E+00	1.07E-06
646	ALL	646741	4201280	NonCancer	0.00E+00	3.82E-09	0.00E+00	4.56E-10	4.56E-10	7.68E-10	9.61E-07	0.00E+00	1.21E-08	0.00E+00	4.56E-10	2.57E-07	0.00E+00	0.00E+00	9.61E-07
647	ALL	646841	4201280	NonCancer	0.00E+00	3.45E-09	0.00E+00	4.12E-10	4.12E-10	6.99E-10	8.70E-07	0.00E+00	1.09E-08	0.00E+00	4.12E-10	2.32E-07	0.00E+00	0.00E+00	8.70E-07
648	ALL	646941	4201280	NonCancer	0.00E+00	3.14E-09	0.00E+00	3.75E-10	3.75E-10	6.39E-10	7.91E-07	0.00E+00	9.95E-09	0.00E+00	3.75E-10	2.11E-07	0.00E+00	0.00E+00	7.91E-07
649	ALL	647041	4201280	NonCancer	0.00E+00	2.87E-09	0.00E+00	3.43E-10	3.43E-10	5.86E-10	7.23E-07	0.00E+00	9.09E-09	0.00E+00	3.43E-10	1.93E-07	0.00E+00	0.00E+00	7.23E-07
650	ALL	647141	4201280	NonCancer	0.00E+00	2.63E-09	0.00E+00	3.14E-10	3.14E-10	5.39E-10	6.63E-07	0.00E+00	8.34E-09	0.00E+00	3.14E-10	1.77E-07	0.00E+00	0.00E+00	6.63E-07
651	ALL	647241	4201280	NonCancer	0.00E+00	2.42E-09	0.00E+00	2.89E-10	2.89E-10	4.97E-10	6.10E-07	0.00E+00	7.67E-09	0.00E+00	2.89E-10	1.63E-07	0.00E+00	0.00E+00	6.10E-07
652	ALL	647341	4201280	NonCancer	0.00E+00	2.24E-09	0.00E+00	2.67E-10	2.67E-10	4.60E-10	5.64E-07	0.00E+00	7.08E-09	0.00E+00	2.67E-10	1.50E-07	0.00E+00	0.00E+00	5.64E-07
653	ALL	644341	4201380	NonCancer	0.00E+00	1.80E-09	0.00E+00	2.15E-10	2.15E-10	3.77E-10	4.54E-07	0.00E+00	5.70E-09	0.00E+00	2.15E-10	1.21E-07	0.00E+00	0.00E+00	4.54E-07
654	ALL	644441	4201380	NonCancer	0.00E+00	1.99E-09	0.00E+00	2.38E-10	2.38E-10	4.17E-10	5.03E-07	0.00E+00	6.31E-09	0.00E+00	2.38E-10	1.34E-07	0.00E+00	0.00E+00	5.03E-07
655	ALL	644541	4201380	NonCancer	0.00E+00	2.22E-09	0.00E+00	2.65E-10	2.65E-10	4.65E-10	5.60E-07	0.00E+00	7.03E-09	0.00E+00	2.65E-10	1.49E-07	0.00E+00	0.00E+00	5.60E-07
656	ALL	644641	4201380	NonCancer	0.00E+00	2.49E-09	0.00E+00	2.97E-10	2.97E-10	5.20E-10	6.28E-07	0.00E+00	7.88E-09	0.00E+00	2.97E-10	1.67E-07	0.00E+00	0.00E+00	6.28E-07
657	ALL	644741	4201380	NonCancer	0.00E+00	2.80E-09	0.00E+00	3.35E-10	3.35E-10	5.86E-10	7.08E-07	0.00E+00	8.88E-09	0.00E+00	3.35E-10	1.89E-07	0.00E+00	0.00E+00	7.08E-07
658	ALL	644841	4201380	NonCancer	0.00E+00	3.18E-09	0.00E+00	3.80E-10	3.80E-10	6.64E-10	8.03E-07	0.00E+00	1.01E-08	0.00E+00	3.80E-10	2.14E-07	0.00E+00	0.00E+00	8.03E-07
659	ALL	644941	4201380	NonCancer	0.00E+00	3.62E-09	0.00E+00	4.32E-10	4.32E-10	7.57E-10	9.13E-07	0.00E+00	1.15E-08	0.00E+00	4.32E-10	2.43E-07	0.00E+00	0.00E+00	9.13E-07
660	ALL	645041	4201380	NonCancer	0.00E+00	4.12E-09	0.00E+00	4.92E-10	4.92E-10	8.66E-10	1.04E-06	0.00E+00	1.30E-08	0.00E+00	4.92E-10	2.77E-07	0.00E+00	0.00E+00	1.04E-06
661	ALL	645141	4201380	NonCancer	0.00E+00	4.67E-09	0.00E+00	5.57E-10	5.57E-10	9.90E-10	1.18E-06	0.00E+00	1.48E-08	0.00E+00	5.57E-10	3.14E-07	0.00E+00	0.00E+00	1.18E-06
662	ALL	645241	4201380	NonCancer	0.00E+00	5.25E-09	0.00E+00	6.27E-10	6.27E-10	1.13E-09	1.33E-06	0.00E+00	1.66E-08	0.00E+00	6.27E-10	3.53E-07	0.00E+00	0.00E+00	1.33E-06
663	ALL	645341	4201380	NonCancer	0.00E+00	5.82E-09	0.00E+00	6.95E-10	6.95E-10	1.26E-09	1.47E-06	0.00E+00	1.84E-08	0.00E+00	6.95E-10	3.92E-07	0.00E+00	0.00E+00	1.47E-06
664	ALL	645441	4201380	NonCancer	0.00E+00	6.35E-09	0.00E+00	7.58E-10	7.58E-10	1.38E-09	1.61E-06	0.00E+00	2.01E-08	0.00E+00	7.58E-10	4.27E-07	0.00E+00	0.00E+00	1.61E-06
665	ALL	645541	4201380	NonCancer	0.00E+00	6.79E-09	0.00E+00	8.11E-10	8.11E-10	1.46E-09	1.72E-06	0.00E+00	2.15E-08	0.00E+00	8.11E-10	4.57E-07	0.00E+00	0.00E+00	1.72E-06
666	ALL	645641	4201380	NonCancer	0.00E+00	7.09E-09	0.00E+00	8.47E-10	8.47E-10	1.47E-09	1.79E-06	0.00E+00	2.25E-08	0.00E+00	8.47E-10	4.77E-07	0.00E+00	0.00E+00	1.79E-06
667	ALL	645741	4201380	NonCancer	0.00E+00	7.19E-09	0.00E+00	8.59E-10	8.59E-10	1.43E-09	1.81E-06	0.00E+00	2.28E-08	0.00E+00	8.59E-10	4.84E-07	0.00E+00	0.00E+00	1.81E-06
668	ALL	645841	4201380	NonCancer	0.00E+00	7.06E-09	0.00E+00	8.43E-10	8.43E-10	1.38E-09	1.78E-06	0.00E+00	2.24E-08	0.00E+00	8.43E-10	4.74E-07	0.00E+00	0.00E+00	1.78E-06
669	ALL	645941	4201380	NonCancer	0.00E+00	6.71E-09	0.00E+00	8.01E-10	8.01E-10	1.29E-09	1.69E-06	0.00E+00	2.12E-08	0.00E+00	8.01E-10	4.51E-07	0.00E+00	0.00E+00	1.69E-06
670	ALL	646041	4201380	NonCancer	0.00E+00	6.23E-09	0.00E+00	7.44E-10	7.44E-10	1.20E-09	1.57E-06	0.00E+00	1.97E-08	0.00E+00	7.44E-10	4.19E-07	0.00E+00	0.00E+00	1.57E-06
671	ALL	646141	4201380	NonCancer	0.00E+00	5.70E-09	0.00E+00	6.81E-10	6.81E-10	1.11E-09	1.43E-06	0.00E+00	1.81E-08	0.00E+00	6.81E-10	3.83E-07	0.00E+00	0.00E+00	1.43E-06
672	ALL	646241	4201380	NonCancer	0.00E+00	5.20E-09	0.00E+00	6.21E-10	6.21E-10	1.01E-09	1.31E-06	0.00E+00	1.65E-08	0.00E+00	6.21E-10	3.50E-07	0.00E+00	0.00E+00	1.31E-06
673	ALL	646341	4201380	NonCancer	0.00E+00	4.70E-09	0.00E+00	5.61E-10	5.61E-10	9.14E-10	1.18E-06	0.00E+00	1.49E-08	0.00E+00	5.61E-10	3.16E-07	0.00E+00	0.00E+00	1.18E-06
674	ALL	646441	4201380	NonCancer	0.00E+00	4.23E-09	0.00E+00	5.05E-10	5.05E-10	8.24E-10	1.06E-06	0.00E+00	1.34E-08	0.00E+00	5.05E-10	2.84E-07	0.00E+00	0.00E+00	1.06E-06
675	ALL	646541	4201380	NonCancer	0.00E+00	3.81E-09	0.00E+00	4.56E-10	4.56E-10	7.49E-10	9.60E-07	0.00E+00	1.21E-08	0.00E+00	4.56E-10	2.56E-07	0.00E+00	0.00E+00	9.60E-07
676	ALL	646641	4201380	NonCancer	0.00E+00	3.45E-09	0.00E+00	4.12E-10	4.12E-10	6.84E-10	8.69E-07	0.00E+00	1.09E-08	0.00E+00	4.12E-10	2.32E-07	0.00E+00	0.00E+00	8.69E-07
677	ALL	646741	4201380	NonCancer	0.00E+00	3.14E-09	0.00E+00	3.75E-10	3.75E-10	6.28E-10	7.91E-07	0.00E+00	9.95E-09	0.00E+00	3.75E-10	2.11E-07	0.00E+00	0.00E+00	7.91E-07
678	ALL	646841	4201380	NonCancer	0.00E+00	2.88E-09	0.00E+00	3.43E-10	3.43E-10	5.79E-10	7.24E-07	0.00E+00	9.11E-09	0.00E+00	3.43E-10	1.93E-07	0.00E+00	0.00E+00	7.24E-07
679	ALL	646941	4201380	NonCancer	0.00E+00	2.64E-09	0.00E+00	3.16E-10	3.16E-10	5.36E-10	6.66E-07	0.00E+00	8.37E-09	0.00E+00	3.16E-10	1.78E-07	0.00E+00	0.00E+00	6.66E-07
680	ALL	647041	4201380	NonCancer	0.00E+00	2.44E-09	0.00E+00	2.92E-10	2.92E-10	4.98E-10	6.15E-07	0.00E+00	7.73E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.15E-07
681	ALL	647141	4201380	NonCancer	0.00E+00	2.26E-09	0.00E+00	2.70E-10	2.70E-10	4.63E-10	5.70E-07	0.00E+00	7.17E-09	0.00E+00	2.70E-10	1.52E-07	0.00E+00	0.00E+00	5.70E-07
682	ALL	647241	4201380	NonCancer	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.32E-10	5.30E-07	0.00E+00	6.66E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.30E-07
683	ALL	647341	4201380	NonCancer	0.00E+00	1.96E-09	0.00E+00	2.34E-10	2.34E-10	4.04E-10	4.94E-07	0.00E+00	6.21E-09	0.00E+00	2.34E-10	1.32E-07	0.00E+00	0.00E+00	4.94E-07
684	ALL	644341	4201480	NonCancer	0.00E+00	1.74E-09	0.00E+00	2.08E-10	2.08E-10	3.64E-10	4.39E-07	0.00E+00	5.50E-09	0.00E+00	2.08E-10	1.17E-07	0.00E+00	0.00E+00	4.39E-07
685	ALL	644441	4201480	NonCancer	0.00E+00	1.92E-09	0.00E+00	2.29E-10	2.29E-10	4.02E-10	4.84E-07	0.00E+00	6.07E-09	0.00E+00	2.29E-10	1.29E-07	0.00E+00	0.00E+00	4.84E-07
686	ALL	644541	4201480	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.54E-10	2.54E-10	4.45E-10	5.36E-07	0.00E+00	6.72E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.36E-07
687	ALL	644641	4201480	NonCancer	0.00E+00	2.36E-09	0.00E+00	2.82E-10	2.82E-10	4.94E-10	5.97E-07	0.00E+00	7.48E-09	0.00E+00	2.82E-10	1.59E-07	0.00E+00	0.00E+00	5.97E-07

688	ALL	644741	4201480	NonCancer	0.00E+00	2.64E-09	0.00E+00	3.15E-10	3.15E-10	5.52E-10	6.66E-07	0.00E+00	8.36E-09	0.00E+00	3.15E-10	1.77E-07	0.00E+00	0.00E+00	6.66E-07
689	ALL	644841	4201480	NonCancer	0.00E+00	2.96E-09	0.00E+00	3.53E-10	3.53E-10	6.19E-10	7.46E-07	0.00E+00	9.36E-09	0.00E+00	3.53E-10	1.99E-07	0.00E+00	0.00E+00	7.46E-07
690	ALL	644941	4201480	NonCancer	0.00E+00	3.31E-09	0.00E+00	3.95E-10	3.95E-10	6.96E-10	8.35E-07	0.00E+00	1.05E-08	0.00E+00	3.95E-10	2.22E-07	0.00E+00	0.00E+00	8.35E-07
691	ALL	645041	4201480	NonCancer	0.00E+00	3.69E-09	0.00E+00	4.40E-10	4.40E-10	7.81E-10	9.32E-07	0.00E+00	1.17E-08	0.00E+00	4.40E-10	2.48E-07	0.00E+00	0.00E+00	9.32E-07
692	ALL	645141	4201480	NonCancer	0.00E+00	4.09E-09	0.00E+00	4.88E-10	4.88E-10	8.72E-10	1.03E-06	0.00E+00	1.29E-08	0.00E+00	4.88E-10	2.75E-07	0.00E+00	0.00E+00	1.03E-06
693	ALL	645241	4201480	NonCancer	0.00E+00	4.48E-09	0.00E+00	5.35E-10	5.35E-10	9.63E-10	1.13E-06	0.00E+00	1.42E-08	0.00E+00	5.35E-10	3.01E-07	0.00E+00	0.00E+00	1.13E-06
694	ALL	645341	4201480	NonCancer	0.00E+00	4.84E-09	0.00E+00	5.78E-10	5.78E-10	1.04E-09	1.22E-06	0.00E+00	1.53E-08	0.00E+00	5.78E-10	3.25E-07	0.00E+00	0.00E+00	1.22E-06
695	ALL	645441	4201480	NonCancer	0.00E+00	5.13E-09	0.00E+00	6.13E-10	6.13E-10	1.10E-09	1.30E-06	0.00E+00	1.62E-08	0.00E+00	6.13E-10	3.45E-07	0.00E+00	0.00E+00	1.30E-06
696	ALL	645541	4201480	NonCancer	0.00E+00	5.33E-09	0.00E+00	6.37E-10	6.37E-10	1.12E-09	1.35E-06	0.00E+00	1.69E-08	0.00E+00	6.37E-10	3.59E-07	0.00E+00	0.00E+00	1.35E-06
697	ALL	645641	4201480	NonCancer	0.00E+00	5.43E-09	0.00E+00	6.48E-10	6.48E-10	1.11E-09	1.37E-06	0.00E+00	1.72E-08	0.00E+00	6.48E-10	3.65E-07	0.00E+00	0.00E+00	1.37E-06
698	ALL	645741	4201480	NonCancer	0.00E+00	5.40E-09	0.00E+00	6.45E-10	6.45E-10	1.07E-09	1.36E-06	0.00E+00	1.71E-08	0.00E+00	6.45E-10	3.63E-07	0.00E+00	0.00E+00	1.36E-06
699	ALL	645841	4201480	NonCancer	0.00E+00	5.27E-09	0.00E+00	6.29E-10	6.29E-10	1.03E-09	1.33E-06	0.00E+00	1.67E-08	0.00E+00	6.29E-10	3.54E-07	0.00E+00	0.00E+00	1.33E-06
700	ALL	645941	4201480	NonCancer	0.00E+00	5.03E-09	0.00E+00	6.00E-10	6.00E-10	9.80E-10	1.27E-06	0.00E+00	1.59E-08	0.00E+00	6.00E-10	3.38E-07	0.00E+00	0.00E+00	1.27E-06
701	ALL	646041	4201480	NonCancer	0.00E+00	4.73E-09	0.00E+00	5.65E-10	5.65E-10	9.21E-10	1.19E-06	0.00E+00	1.50E-08	0.00E+00	5.65E-10	3.18E-07	0.00E+00	0.00E+00	1.19E-06
702	ALL	646141	4201480	NonCancer	0.00E+00	4.41E-09	0.00E+00	5.26E-10	5.26E-10	8.62E-10	1.11E-06	0.00E+00	1.40E-08	0.00E+00	5.26E-10	2.96E-07	0.00E+00	0.00E+00	1.11E-06
703	ALL	646241	4201480	NonCancer	0.00E+00	4.09E-09	0.00E+00	4.89E-10	4.89E-10	8.01E-10	1.03E-06	0.00E+00	1.30E-08	0.00E+00	4.89E-10	2.75E-07	0.00E+00	0.00E+00	1.03E-06
704	ALL	646341	4201480	NonCancer	0.00E+00	3.76E-09	0.00E+00	4.50E-10	4.50E-10	7.35E-10	9.47E-07	0.00E+00	1.19E-08	0.00E+00	4.50E-10	2.53E-07	0.00E+00	0.00E+00	9.47E-07
705	ALL	646441	4201480	NonCancer	0.00E+00	3.44E-09	0.00E+00	4.11E-10	4.11E-10	6.73E-10	8.67E-07	0.00E+00	1.09E-08	0.00E+00	4.11E-10	2.31E-07	0.00E+00	0.00E+00	8.67E-07
706	ALL	646541	4201480	NonCancer	0.00E+00	3.15E-09	0.00E+00	3.76E-10	3.76E-10	6.18E-10	7.92E-07	0.00E+00	9.97E-09	0.00E+00	3.76E-10	2.12E-07	0.00E+00	0.00E+00	7.92E-07
707	ALL	646641	4201480	NonCancer	0.00E+00	2.88E-09	0.00E+00	3.44E-10	3.44E-10	5.71E-10	7.26E-07	0.00E+00	9.13E-09	0.00E+00	3.44E-10	1.94E-07	0.00E+00	0.00E+00	7.26E-07
708	ALL	646741	4201480	NonCancer	0.00E+00	2.65E-09	0.00E+00	3.17E-10	3.17E-10	5.29E-10	6.67E-07	0.00E+00	8.39E-09	0.00E+00	3.17E-10	1.78E-07	0.00E+00	0.00E+00	6.67E-07
709	ALL	646841	4201480	NonCancer	0.00E+00	2.44E-09	0.00E+00	2.92E-10	2.92E-10	4.91E-10	6.16E-07	0.00E+00	7.74E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.16E-07
710	ALL	646941	4201480	NonCancer	0.00E+00	2.26E-09	0.00E+00	2.70E-10	2.70E-10	4.58E-10	5.70E-07	0.00E+00	7.17E-09	0.00E+00	2.70E-10	1.52E-07	0.00E+00	0.00E+00	5.70E-07
711	ALL	647041	4201480	NonCancer	0.00E+00	2.11E-09	0.00E+00	2.51E-10	2.51E-10	4.28E-10	5.30E-07	0.00E+00	6.67E-09	0.00E+00	2.51E-10	1.42E-07	0.00E+00	0.00E+00	5.30E-07
712	ALL	647141	4201480	NonCancer	0.00E+00	1.96E-09	0.00E+00	2.35E-10	2.35E-10	4.01E-10	4.95E-07	0.00E+00	6.22E-09	0.00E+00	2.35E-10	1.32E-07	0.00E+00	0.00E+00	4.95E-07
713	ALL	647241	4201480	NonCancer	0.00E+00	1.84E-09	0.00E+00	2.20E-10	2.20E-10	3.77E-10	4.63E-07	0.00E+00	5.82E-09	0.00E+00	2.20E-10	1.24E-07	0.00E+00	0.00E+00	4.63E-07
714	ALL	647341	4201480	NonCancer	0.00E+00	1.73E-09	0.00E+00	2.06E-10	2.06E-10	3.55E-10	4.35E-07	0.00E+00	5.46E-09	0.00E+00	2.06E-10	1.16E-07	0.00E+00	0.00E+00	4.35E-07
715	ALL	644341	4201580	NonCancer	0.00E+00	1.67E-09	0.00E+00	2.00E-10	2.00E-10	3.51E-10	4.23E-07	0.00E+00	5.30E-09	0.00E+00	2.00E-10	1.13E-07	0.00E+00	0.00E+00	4.23E-07
716	ALL	644441	4201580	NonCancer	0.00E+00	1.84E-09	0.00E+00	2.19E-10	2.19E-10	3.85E-10	4.64E-07	0.00E+00	5.82E-09	0.00E+00	2.19E-10	1.24E-07	0.00E+00	0.00E+00	4.64E-07
717	ALL	644541	4201580	NonCancer	0.00E+00	2.02E-09	0.00E+00	2.42E-10	2.42E-10	4.24E-10	5.11E-07	0.00E+00	6.40E-09	0.00E+00	2.42E-10	1.36E-07	0.00E+00	0.00E+00	5.11E-07
718	ALL	644641	4201580	NonCancer	0.00E+00	2.23E-09	0.00E+00	2.67E-10	2.67E-10	4.68E-10	5.64E-07	0.00E+00	7.07E-09	0.00E+00	2.67E-10	1.50E-07	0.00E+00	0.00E+00	5.64E-07
719	ALL	644741	4201580	NonCancer	0.00E+00	2.47E-09	0.00E+00	2.95E-10	2.95E-10	5.18E-10	6.23E-07	0.00E+00	7.82E-09	0.00E+00	2.95E-10	1.66E-07	0.00E+00	0.00E+00	6.23E-07
720	ALL	644841	4201580	NonCancer	0.00E+00	2.73E-09	0.00E+00	3.26E-10	3.26E-10	5.74E-10	6.89E-07	0.00E+00	8.63E-09	0.00E+00	3.26E-10	1.83E-07	0.00E+00	0.00E+00	6.89E-07
721	ALL	644941	4201580	NonCancer	0.00E+00	3.00E-09	0.00E+00	3.59E-10	3.59E-10	6.35E-10	7.59E-07	0.00E+00	9.51E-09	0.00E+00	3.59E-10	2.02E-07	0.00E+00	0.00E+00	7.59E-07
722	ALL	645041	4201580	NonCancer	0.00E+00	3.29E-09	0.00E+00	3.93E-10	3.93E-10	6.99E-10	8.31E-07	0.00E+00	1.04E-08	0.00E+00	3.93E-10	2.21E-07	0.00E+00	0.00E+00	8.31E-07
723	ALL	645141	4201580	NonCancer	0.00E+00	3.57E-09	0.00E+00	4.26E-10	4.26E-10	7.63E-10	9.02E-07	0.00E+00	1.13E-08	0.00E+00	4.26E-10	2.40E-07	0.00E+00	0.00E+00	9.02E-07
724	ALL	645241	4201580	NonCancer	0.00E+00	3.83E-09	0.00E+00	4.57E-10	4.57E-10	8.20E-10	9.68E-07	0.00E+00	1.21E-08	0.00E+00	4.57E-10	2.57E-07	0.00E+00	0.00E+00	9.68E-07
725	ALL	645341	4201580	NonCancer	0.00E+00	4.04E-09	0.00E+00	4.83E-10	4.83E-10	8.63E-10	1.02E-06	0.00E+00	1.28E-08	0.00E+00	4.83E-10	2.72E-07	0.00E+00	0.00E+00	1.02E-06
726	ALL	645441	4201580	NonCancer	0.00E+00	4.19E-09	0.00E+00	5.01E-10	5.01E-10	8.86E-10	1.06E-06	0.00E+00	1.33E-08	0.00E+00	5.01E-10	2.82E-07	0.00E+00	0.00E+00	1.06E-06
727	ALL	645541	4201580	NonCancer	0.00E+00	4.27E-09	0.00E+00	5.10E-10	5.10E-10	8.84E-10	1.08E-06	0.00E+00	1.35E-08	0.00E+00	5.10E-10	2.87E-07	0.00E+00	0.00E+00	1.08E-06
728	ALL	645641	4201580	NonCancer	0.00E+00	4.27E-09	0.00E+00	5.10E-10	5.10E-10	8.63E-10	1.08E-06	0.00E+00	1.35E-08	0.00E+00	5.10E-10	2.87E-07	0.00E+00	0.00E+00	1.08E-06
729	ALL	645741	4201580	NonCancer	0.00E+00	4.21E-09	0.00E+00	5.03E-10	5.03E-10	8.35E-10	1.06E-06	0.00E+00	1.33E-08	0.00E+00	5.03E-10	2.83E-07	0.00E+00	0.00E+00	1.06E-06
730	ALL	645841	4201580	NonCancer	0.00E+00	4.10E-09	0.00E+00	4.90E-10	4.90E-10	8.06E-10	1.03E-06	0.00E+00	1.30E-08	0.00E+00	4.90E-10	2.76E-07	0.00E+00	0.00E+00	1.03E-06
731	ALL	645941	4201580	NonCancer	0.00E+00	3.94E-09	0.00E+00	4.70E-10	4.70E-10	7.73E-10	9.92E-07	0.00E+00	1.25E-08	0.00E+00	4.70E-10	2.65E-07	0.00E+00	0.00E+00	9.92E-07
732	ALL	646041	4201580	NonCancer	0.00E+00	3.74E-09	0.00E+00	4.47E-10	4.47E-10	7.31E-10	9.43E-07	0.00E+00	1.19E-08	0.00E+00	4.47E-10	2.52E-07	0.00E+00	0.00E+00	9.43E-07
733	ALL	646141	4201580	NonCancer	0.00E+00	3.53E-09	0.00E+00	4.22E-10	4.22E-10	6.94E-10	8.89E-07	0.00E+00	1.12E-08	0.00E+00	4.22E-10	2.37E-07	0.00E+00	0.00E+00	8.89E-07
734	ALL	646241	4201580	NonCancer	0.00E+00	3.32E-09	0.00E+00	3.96E-10	3.96E-10	6.51E-10	8.35E-07	0.00E+00	1.05E-08	0.00E+00	3.96E-10	2.23E-07	0.00E+00	0.00E+00	8.35E-07
735	ALL	646341	4201580	NonCancer	0.00E+00	3.10E-09	0.00E+00	3.70E-10	3.70E-10	6.07E-10	7.79E-07	0.00E+00	9.80E-09	0.00E+00	3.70E-10	2.08E-07	0.00E+00	0.00E+00	7.79E-07
736	ALL	646441	4201580	NonCancer	0.00E+00	2.87E-09	0.00E+00	3.43E-10	3.43E-10	5.64E-10	7.23E-07	0.00E+00	9.09E-09	0.00E+00	3.43E-10	1.93E-07	0.00E+00	0.00E+00	7.23E-07
737	ALL	646541	4201580	NonCancer	0.00E+00	2.66E-09	0.00E+00	3.17E-10	3.17E-10	5.22E-10	6.69E-07	0.00E+00	8.41E-09	0.00E+00	3.17E-10	1.78E-07	0.00E+00	0.00E+00	6.69E-07
738	ALL	646641	4201580	NonCancer	0.00E+00	2.46E-09	0.00E+00	2.93E-10	2.93E-10	4.87E-10	6.19E-07	0.00E+00	7.78E-09	0.00E+00	2.93E-10	1.65E-07	0.00E+00	0.00E+00	6.19E-07
739	ALL	646741	4201580	NonCancer	0.00E+00	2.28E-09	0.00E+00	2.72E-10	2.72E-10	4.54E-10	5.74E-07	0.00E+00	7.21E-09	0.00E+00	2.72E-10	1.53E-07	0.00E+00	0.00E+00	5.74E-07
740	ALL	646841	4201580	NonCancer	0.00E+00	2.11E-09	0.00E+00	2.53E-10	2.53E-10	4.24E-10	5.33E-07	0.00E+00	6.70E-09	0.00E+00	2.53E-10	1.42E-07	0.00E+00	0.00E+00	5.33E-07

741	ALL	646941	4201580	NonCancer	0.00E+00	1.97E-09	0.00E+00	2.35E-10	2.35E-10	3.97E-10	4.96E-07	0.00E+00	6.24E-09	0.00E+00	2.35E-10	1.32E-07	0.00E+00	0.00E+00	4.96E-07
742	ALL	647041	4201580	NonCancer	0.00E+00	1.84E-09	0.00E+00	2.20E-10	2.20E-10	3.74E-10	4.64E-07	0.00E+00	5.83E-09	0.00E+00	2.20E-10	1.24E-07	0.00E+00	0.00E+00	4.64E-07
743	ALL	647141	4201580	NonCancer	0.00E+00	1.73E-09	0.00E+00	2.06E-10	2.06E-10	3.52E-10	4.35E-07	0.00E+00	5.46E-09	0.00E+00	2.06E-10	1.16E-07	0.00E+00	0.00E+00	4.35E-07
744	ALL	647241	4201580	NonCancer	0.00E+00	1.62E-09	0.00E+00	1.94E-10	1.94E-10	3.32E-10	4.09E-07	0.00E+00	5.14E-09	0.00E+00	1.94E-10	1.09E-07	0.00E+00	0.00E+00	4.09E-07
745	ALL	647341	4201580	NonCancer	0.00E+00	1.53E-09	0.00E+00	1.83E-10	1.83E-10	3.14E-10	3.85E-07	0.00E+00	4.84E-09	0.00E+00	1.83E-10	1.03E-07	0.00E+00	0.00E+00	3.85E-07
746	ALL	644341	4201680	NonCancer	0.00E+00	1.61E-09	0.00E+00	1.92E-10	1.92E-10	3.37E-10	4.06E-07	0.00E+00	5.09E-09	0.00E+00	1.92E-10	1.08E-07	0.00E+00	0.00E+00	4.06E-07
747	ALL	644441	4201680	NonCancer	0.00E+00	1.75E-09	0.00E+00	2.09E-10	2.09E-10	3.68E-10	4.43E-07	0.00E+00	5.56E-09	0.00E+00	2.09E-10	1.18E-07	0.00E+00	0.00E+00	4.43E-07
748	ALL	644541	4201680	NonCancer	0.00E+00	1.92E-09	0.00E+00	2.29E-10	2.29E-10	4.02E-10	4.84E-07	0.00E+00	6.07E-09	0.00E+00	2.29E-10	1.29E-07	0.00E+00	0.00E+00	4.84E-07
749	ALL	644641	4201680	NonCancer	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.41E-10	5.30E-07	0.00E+00	6.65E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.30E-07
750	ALL	644741	4201680	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.74E-10	2.74E-10	4.83E-10	5.80E-07	0.00E+00	7.27E-09	0.00E+00	2.74E-10	1.54E-07	0.00E+00	0.00E+00	5.80E-07
751	ALL	644841	4201680	NonCancer	0.00E+00	2.50E-09	0.00E+00	2.99E-10	2.99E-10	5.28E-10	6.32E-07	0.00E+00	7.92E-09	0.00E+00	2.99E-10	1.68E-07	0.00E+00	0.00E+00	6.32E-07
752	ALL	644941	4201680	NonCancer	0.00E+00	2.71E-09	0.00E+00	3.24E-10	3.24E-10	5.76E-10	6.86E-07	0.00E+00	8.60E-09	0.00E+00	3.24E-10	1.83E-07	0.00E+00	0.00E+00	6.86E-07
753	ALL	645041	4201680	NonCancer	0.00E+00	2.92E-09	0.00E+00	3.49E-10	3.49E-10	6.22E-10	7.39E-07	0.00E+00	9.26E-09	0.00E+00	3.49E-10	1.97E-07	0.00E+00	0.00E+00	7.39E-07
754	ALL	645141	4201680	NonCancer	0.00E+00	3.12E-09	0.00E+00	3.72E-10	3.72E-10	6.65E-10	7.88E-07	0.00E+00	9.87E-09	0.00E+00	3.72E-10	2.10E-07	0.00E+00	0.00E+00	7.88E-07
755	ALL	645241	4201680	NonCancer	0.00E+00	3.28E-09	0.00E+00	3.92E-10	3.92E-10	6.98E-10	8.29E-07	0.00E+00	1.04E-08	0.00E+00	3.92E-10	2.21E-07	0.00E+00	0.00E+00	8.29E-07
756	ALL	645341	4201680	NonCancer	0.00E+00	3.40E-09	0.00E+00	4.06E-10	4.06E-10	7.19E-10	8.58E-07	0.00E+00	1.08E-08	0.00E+00	4.06E-10	2.29E-07	0.00E+00	0.00E+00	8.58E-07
757	ALL	645441	4201680	NonCancer	0.00E+00	3.46E-09	0.00E+00	4.14E-10	4.14E-10	7.23E-10	8.74E-07	0.00E+00	1.10E-08	0.00E+00	4.14E-10	2.33E-07	0.00E+00	0.00E+00	8.74E-07
758	ALL	645541	4201680	NonCancer	0.00E+00	3.48E-09	0.00E+00	4.15E-10	4.15E-10	7.10E-10	8.77E-07	0.00E+00	1.10E-08	0.00E+00	4.15E-10	2.34E-07	0.00E+00	0.00E+00	8.77E-07
759	ALL	645641	4201680	NonCancer	0.00E+00	3.45E-09	0.00E+00	4.12E-10	4.12E-10	6.94E-10	8.70E-07	0.00E+00	1.09E-08	0.00E+00	4.12E-10	2.32E-07	0.00E+00	0.00E+00	8.70E-07
760	ALL	645741	4201680	NonCancer	0.00E+00	3.39E-09	0.00E+00	4.05E-10	4.05E-10	6.71E-10	8.53E-07	0.00E+00	1.07E-08	0.00E+00	4.05E-10	2.28E-07	0.00E+00	0.00E+00	8.53E-07
761	ALL	645841	4201680	NonCancer	0.00E+00	3.30E-09	0.00E+00	3.94E-10	3.94E-10	6.51E-10	8.31E-07	0.00E+00	1.05E-08	0.00E+00	3.94E-10	2.22E-07	0.00E+00	0.00E+00	8.31E-07
762	ALL	645941	4201680	NonCancer	0.00E+00	3.19E-09	0.00E+00	3.80E-10	3.80E-10	6.23E-10	8.02E-07	0.00E+00	1.01E-08	0.00E+00	3.80E-10	2.14E-07	0.00E+00	0.00E+00	8.02E-07
763	ALL	646041	4201680	NonCancer	0.00E+00	3.06E-09	0.00E+00	3.65E-10	3.65E-10	6.04E-10	7.70E-07	0.00E+00	9.68E-09	0.00E+00	3.65E-10	2.05E-07	0.00E+00	0.00E+00	7.70E-07
764	ALL	646141	4201680	NonCancer	0.00E+00	2.91E-09	0.00E+00	3.47E-10	3.47E-10	5.74E-10	7.32E-07	0.00E+00	9.21E-09	0.00E+00	3.47E-10	1.95E-07	0.00E+00	0.00E+00	7.32E-07
765	ALL	646241	4201680	NonCancer	0.00E+00	2.76E-09	0.00E+00	3.29E-10	3.29E-10	5.43E-10	6.94E-07	0.00E+00	8.73E-09	0.00E+00	3.29E-10	1.85E-07	0.00E+00	0.00E+00	6.94E-07
766	ALL	646341	4201680	NonCancer	0.00E+00	2.60E-09	0.00E+00	3.10E-10	3.10E-10	5.12E-10	6.54E-07	0.00E+00	8.22E-09	0.00E+00	3.10E-10	1.74E-07	0.00E+00	0.00E+00	6.54E-07
767	ALL	646441	4201680	NonCancer	0.00E+00	2.44E-09	0.00E+00	2.91E-10	2.91E-10	4.80E-10	6.13E-07	0.00E+00	7.71E-09	0.00E+00	2.91E-10	1.64E-07	0.00E+00	0.00E+00	6.13E-07
768	ALL	646541	4201680	NonCancer	0.00E+00	2.28E-09	0.00E+00	2.72E-10	2.72E-10	4.49E-10	5.73E-07	0.00E+00	7.21E-09	0.00E+00	2.72E-10	1.53E-07	0.00E+00	0.00E+00	5.73E-07
769	ALL	646641	4201680	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.54E-10	2.54E-10	4.21E-10	5.35E-07	0.00E+00	6.73E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.35E-07
770	ALL	646741	4201680	NonCancer	0.00E+00	1.98E-09	0.00E+00	2.37E-10	2.37E-10	3.96E-10	5.00E-07	0.00E+00	6.28E-09	0.00E+00	2.37E-10	1.33E-07	0.00E+00	0.00E+00	5.00E-07
771	ALL	646841	4201680	NonCancer	0.00E+00	1.86E-09	0.00E+00	2.22E-10	2.22E-10	3.72E-10	4.67E-07	0.00E+00	5.88E-09	0.00E+00	2.22E-10	1.25E-07	0.00E+00	0.00E+00	4.67E-07
772	ALL	646941	4201680	NonCancer	0.00E+00	1.74E-09	0.00E+00	2.07E-10	2.07E-10	3.50E-10	4.38E-07	0.00E+00	5.50E-09	0.00E+00	2.07E-10	1.17E-07	0.00E+00	0.00E+00	4.38E-07
773	ALL	647041	4201680	NonCancer	0.00E+00	1.63E-09	0.00E+00	1.95E-10	1.95E-10	3.29E-10	4.11E-07	0.00E+00	5.16E-09	0.00E+00	1.95E-10	1.10E-07	0.00E+00	0.00E+00	4.11E-07
774	ALL	647141	4201680	NonCancer	0.00E+00	1.53E-09	0.00E+00	1.83E-10	1.83E-10	3.12E-10	3.87E-07	0.00E+00	4.86E-09	0.00E+00	1.83E-10	1.03E-07	0.00E+00	0.00E+00	3.87E-07
775	ALL	647241	4201680	NonCancer	0.00E+00	1.45E-09	0.00E+00	1.73E-10	1.73E-10	2.95E-10	3.65E-07	0.00E+00	4.58E-09	0.00E+00	1.73E-10	9.73E-08	0.00E+00	0.00E+00	3.65E-07
776	ALL	647341	4201680	NonCancer	0.00E+00	1.37E-09	0.00E+00	1.63E-10	1.63E-10	2.80E-10	3.45E-07	0.00E+00	4.33E-09	0.00E+00	1.63E-10	9.20E-08	0.00E+00	0.00E+00	3.45E-07
777	ALL	644341	4201780	NonCancer	0.00E+00	1.54E-09	0.00E+00	1.84E-10	1.84E-10	3.22E-10	3.88E-07	0.00E+00	4.87E-09	0.00E+00	1.84E-10	1.03E-07	0.00E+00	0.00E+00	3.88E-07
778	ALL	644441	4201780	NonCancer	0.00E+00	1.67E-09	0.00E+00	1.99E-10	1.99E-10	3.50E-10	4.21E-07	0.00E+00	5.29E-09	0.00E+00	1.99E-10	1.12E-07	0.00E+00	0.00E+00	4.21E-07
779	ALL	644541	4201780	NonCancer	0.00E+00	1.81E-09	0.00E+00	2.16E-10	2.16E-10	3.80E-10	4.57E-07	0.00E+00	5.74E-09	0.00E+00	2.16E-10	1.22E-07	0.00E+00	0.00E+00	4.57E-07
780	ALL	644641	4201780	NonCancer	0.00E+00	1.96E-09	0.00E+00	2.35E-10	2.35E-10	4.13E-10	4.96E-07	0.00E+00	6.22E-09	0.00E+00	2.35E-10	1.32E-07	0.00E+00	0.00E+00	4.96E-07
781	ALL	644741	4201780	NonCancer	0.00E+00	2.12E-09	0.00E+00	2.54E-10	2.54E-10	4.48E-10	5.37E-07	0.00E+00	6.73E-09	0.00E+00	2.54E-10	1.43E-07	0.00E+00	0.00E+00	5.37E-07
782	ALL	644841	4201780	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.73E-10	2.73E-10	4.84E-10	5.78E-07	0.00E+00	7.24E-09	0.00E+00	2.73E-10	1.54E-07	0.00E+00	0.00E+00	5.78E-07
783	ALL	644941	4201780	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.92E-10	2.92E-10	5.19E-10	6.18E-07	0.00E+00	7.75E-09	0.00E+00	2.92E-10	1.65E-07	0.00E+00	0.00E+00	6.18E-07
784	ALL	645041	4201780	NonCancer	0.00E+00	2.60E-09	0.00E+00	3.10E-10	3.10E-10	5.52E-10	6.56E-07	0.00E+00	8.22E-09	0.00E+00	3.10E-10	1.75E-07	0.00E+00	0.00E+00	6.56E-07
785	ALL	645141	4201780	NonCancer	0.00E+00	2.72E-09	0.00E+00	3.25E-10	3.25E-10	5.78E-10	6.88E-07	0.00E+00	8.63E-09	0.00E+00	3.25E-10	1.83E-07	0.00E+00	0.00E+00	6.88E-07
786	ALL	645241	4201780	NonCancer	0.00E+00	2.82E-09	0.00E+00	3.37E-10	3.37E-10	5.96E-10	7.12E-07	0.00E+00	8.93E-09	0.00E+00	3.37E-10	1.90E-07	0.00E+00	0.00E+00	7.12E-07
787	ALL	645341	4201780	NonCancer	0.00E+00	2.88E-09	0.00E+00	3.44E-10	3.44E-10	6.02E-10	7.27E-07	0.00E+00	9.12E-09	0.00E+00	3.44E-10	1.94E-07	0.00E+00	0.00E+00	7.27E-07
788	ALL	645441	4201780	NonCancer	0.00E+00	2.90E-09	0.00E+00	3.46E-10	3.46E-10	5.97E-10	7.31E-07	0.00E+00	9.18E-09	0.00E+00	3.46E-10	1.95E-07	0.00E+00	0.00E+00	7.31E-07
789	ALL	645541	4201780	NonCancer	0.00E+00	2.88E-09	0.00E+00	3.44E-10	3.44E-10	5.83E-10	7.27E-07	0.00E+00	9.13E-09	0.00E+00	3.44E-10	1.94E-07	0.00E+00	0.00E+00	7.27E-07
790	ALL	645641	4201780	NonCancer	0.00E+00	2.85E-09	0.00E+00	3.40E-10	3.40E-10	5.66E-10	7.17E-07	0.00E+00	9.02E-09	0.00E+00	3.40E-10	1.91E-07	0.00E+00	0.00E+00	7.17E-07
791	ALL	645741	4201780	NonCancer	0.00E+00	2.79E-09	0.00E+00	3.33E-10	3.33E-10	5.49E-10	7.03E-07	0.00E+00	8.84E-09	0.00E+00	3.33E-10	1.88E-07	0.00E+00	0.00E+00	7.03E-07
792	ALL	645841	4201780	NonCancer	0.00E+00	2.72E-09	0.00E+00	3.25E-10	3.25E-10	5.37E-10	6.85E-07	0.00E+00	8.62E-09	0.00E+00	3.25E-10	1.83E-07	0.00E+00	0.00E+00	6.85E-07
793	ALL	645941	4201780	NonCancer	0.00E+00	2.64E-09	0.00E+00	3.15E-10	3.15E-10	5.22E-10	6.65E-07	0.00E+00	8.36E-09	0.00E+00	3.15E-10	1.77E-07	0.00E+00	0.00E+00	6.65E-07

794	ALL	646041	4201780	NonCancer	0.00E+00	2.55E-09	0.00E+00	3.04E-10	3.04E-10	5.04E-10	6.42E-07	0.00E+00	8.07E-09	0.00E+00	3.04E-10	1.71E-07	0.00E+00	0.00E+00	6.42E-07
795	ALL	646141	4201780	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.92E-10	2.92E-10	4.84E-10	6.16E-07	0.00E+00	7.74E-09	0.00E+00	2.92E-10	1.64E-07	0.00E+00	0.00E+00	6.16E-07
796	ALL	646241	4201780	NonCancer	0.00E+00	2.33E-09	0.00E+00	2.79E-10	2.79E-10	4.61E-10	5.88E-07	0.00E+00	7.39E-09	0.00E+00	2.79E-10	1.57E-07	0.00E+00	0.00E+00	5.88E-07
797	ALL	646341	4201780	NonCancer	0.00E+00	2.22E-09	0.00E+00	2.65E-10	2.65E-10	4.38E-10	5.58E-07	0.00E+00	7.02E-09	0.00E+00	2.65E-10	1.49E-07	0.00E+00	0.00E+00	5.58E-07
798	ALL	646441	4201780	NonCancer	0.00E+00	2.09E-09	0.00E+00	2.50E-10	2.50E-10	4.15E-10	5.28E-07	0.00E+00	6.63E-09	0.00E+00	2.50E-10	1.41E-07	0.00E+00	0.00E+00	5.28E-07
799	ALL	646541	4201780	NonCancer	0.00E+00	1.97E-09	0.00E+00	2.36E-10	2.36E-10	3.91E-10	4.97E-07	0.00E+00	6.25E-09	0.00E+00	2.36E-10	1.33E-07	0.00E+00	0.00E+00	4.97E-07
800	ALL	646641	4201780	NonCancer	0.00E+00	1.86E-09	0.00E+00	2.22E-10	2.22E-10	3.69E-10	4.67E-07	0.00E+00	5.88E-09	0.00E+00	2.22E-10	1.25E-07	0.00E+00	0.00E+00	4.67E-07
801	ALL	646741	4201780	NonCancer	0.00E+00	1.75E-09	0.00E+00	2.08E-10	2.08E-10	3.48E-10	4.40E-07	0.00E+00	5.53E-09	0.00E+00	2.08E-10	1.17E-07	0.00E+00	0.00E+00	4.40E-07
802	ALL	646841	4201780	NonCancer	0.00E+00	1.64E-09	0.00E+00	1.96E-10	1.96E-10	3.29E-10	4.14E-07	0.00E+00	5.20E-09	0.00E+00	1.96E-10	1.10E-07	0.00E+00	0.00E+00	4.14E-07
803	ALL	646941	4201780	NonCancer	0.00E+00	1.55E-09	0.00E+00	1.85E-10	1.85E-10	3.10E-10	3.90E-07	0.00E+00	4.90E-09	0.00E+00	1.85E-10	1.04E-07	0.00E+00	0.00E+00	3.90E-07
804	ALL	647041	4201780	NonCancer	0.00E+00	1.46E-09	0.00E+00	1.74E-10	1.74E-10	2.94E-10	3.67E-07	0.00E+00	4.62E-09	0.00E+00	1.74E-10	9.80E-08	0.00E+00	0.00E+00	3.67E-07
805	ALL	647141	4201780	NonCancer	0.00E+00	1.38E-09	0.00E+00	1.64E-10	1.64E-10	2.79E-10	3.47E-07	0.00E+00	4.36E-09	0.00E+00	1.64E-10	9.26E-08	0.00E+00	0.00E+00	3.47E-07
806	ALL	647241	4201780	NonCancer	0.00E+00	1.30E-09	0.00E+00	1.56E-10	1.56E-10	2.65E-10	3.28E-07	0.00E+00	4.13E-09	0.00E+00	1.56E-10	8.76E-08	0.00E+00	0.00E+00	3.28E-07
807	ALL	647341	4201780	NonCancer	0.00E+00	1.24E-09	0.00E+00	1.48E-10	1.48E-10	2.52E-10	3.12E-07	0.00E+00	3.91E-09	0.00E+00	1.48E-10	8.31E-08	0.00E+00	0.00E+00	3.12E-07
808	ALL	644341	4201880	NonCancer	0.00E+00	1.47E-09	0.00E+00	1.75E-10	1.75E-10	3.08E-10	3.71E-07	0.00E+00	4.65E-09	0.00E+00	1.75E-10	9.88E-08	0.00E+00	0.00E+00	3.71E-07
809	ALL	644441	4201880	NonCancer	0.00E+00	1.58E-09	0.00E+00	1.89E-10	1.89E-10	3.32E-10	4.00E-07	0.00E+00	5.01E-09	0.00E+00	1.89E-10	1.06E-07	0.00E+00	0.00E+00	4.00E-07
810	ALL	644541	4201880	NonCancer	0.00E+00	1.70E-09	0.00E+00	2.04E-10	2.04E-10	3.58E-10	4.30E-07	0.00E+00	5.40E-09	0.00E+00	2.04E-10	1.15E-07	0.00E+00	0.00E+00	4.30E-07
811	ALL	644641	4201880	NonCancer	0.00E+00	1.83E-09	0.00E+00	2.19E-10	2.19E-10	3.86E-10	4.62E-07	0.00E+00	5.80E-09	0.00E+00	2.19E-10	1.23E-07	0.00E+00	0.00E+00	4.62E-07
812	ALL	644741	4201880	NonCancer	0.00E+00	1.96E-09	0.00E+00	2.34E-10	2.34E-10	4.14E-10	4.95E-07	0.00E+00	6.20E-09	0.00E+00	2.34E-10	1.32E-07	0.00E+00	0.00E+00	4.95E-07
813	ALL	644841	4201880	NonCancer	0.00E+00	2.08E-09	0.00E+00	2.49E-10	2.49E-10	4.41E-10	5.26E-07	0.00E+00	6.60E-09	0.00E+00	2.49E-10	1.40E-07	0.00E+00	0.00E+00	5.26E-07
814	ALL	644941	4201880	NonCancer	0.00E+00	2.20E-09	0.00E+00	2.63E-10	2.63E-10	4.66E-10	5.56E-07	0.00E+00	6.97E-09	0.00E+00	2.63E-10	1.48E-07	0.00E+00	0.00E+00	5.56E-07
815	ALL	645041	4201880	NonCancer	0.00E+00	2.30E-09	0.00E+00	2.75E-10	2.75E-10	4.87E-10	5.82E-07	0.00E+00	7.29E-09	0.00E+00	2.75E-10	1.55E-07	0.00E+00	0.00E+00	5.82E-07
816	ALL	645141	4201880	NonCancer	0.00E+00	2.38E-09	0.00E+00	2.85E-10	2.85E-10	5.02E-10	6.02E-07	0.00E+00	7.55E-09	0.00E+00	2.85E-10	1.60E-07	0.00E+00	0.00E+00	6.02E-07
817	ALL	645241	4201880	NonCancer	0.00E+00	2.44E-09	0.00E+00	2.91E-10	2.91E-10	5.10E-10	6.15E-07	0.00E+00	7.71E-09	0.00E+00	2.91E-10	1.64E-07	0.00E+00	0.00E+00	6.15E-07
818	ALL	645341	4201880	NonCancer	0.00E+00	2.46E-09	0.00E+00	2.94E-10	2.94E-10	5.09E-10	6.20E-07	0.00E+00	7.79E-09	0.00E+00	2.94E-10	1.65E-07	0.00E+00	0.00E+00	6.20E-07
819	ALL	645441	4201880	NonCancer	0.00E+00	2.45E-09	0.00E+00	2.93E-10	2.93E-10	5.04E-10	6.19E-07	0.00E+00	7.77E-09	0.00E+00	2.93E-10	1.65E-07	0.00E+00	0.00E+00	6.19E-07
820	ALL	645541	4201880	NonCancer	0.00E+00	2.43E-09	0.00E+00	2.90E-10	2.90E-10	4.91E-10	6.12E-07	0.00E+00	7.69E-09	0.00E+00	2.90E-10	1.63E-07	0.00E+00	0.00E+00	6.12E-07
821	ALL	645641	4201880	NonCancer	0.00E+00	2.39E-09	0.00E+00	2.86E-10	2.86E-10	4.77E-10	6.02E-07	0.00E+00	7.57E-09	0.00E+00	2.86E-10	1.61E-07	0.00E+00	0.00E+00	6.02E-07
822	ALL	645741	4201880	NonCancer	0.00E+00	2.35E-09	0.00E+00	2.80E-10	2.80E-10	4.65E-10	5.91E-07	0.00E+00	7.43E-09	0.00E+00	2.80E-10	1.58E-07	0.00E+00	0.00E+00	5.91E-07
823	ALL	645841	4201880	NonCancer	0.00E+00	2.29E-09	0.00E+00	2.74E-10	2.74E-10	4.53E-10	5.78E-07	0.00E+00	7.26E-09	0.00E+00	2.74E-10	1.54E-07	0.00E+00	0.00E+00	5.78E-07
824	ALL	645941	4201880	NonCancer	0.00E+00	2.23E-09	0.00E+00	2.67E-10	2.67E-10	4.42E-10	5.63E-07	0.00E+00	7.07E-09	0.00E+00	2.67E-10	1.50E-07	0.00E+00	0.00E+00	5.63E-07
825	ALL	646041	4201880	NonCancer	0.00E+00	2.17E-09	0.00E+00	2.59E-10	2.59E-10	4.30E-10	5.46E-07	0.00E+00	6.86E-09	0.00E+00	2.59E-10	1.46E-07	0.00E+00	0.00E+00	5.46E-07
826	ALL	646141	4201880	NonCancer	0.00E+00	2.09E-09	0.00E+00	2.50E-10	2.50E-10	4.11E-10	5.28E-07	0.00E+00	6.63E-09	0.00E+00	2.50E-10	1.41E-07	0.00E+00	0.00E+00	5.28E-07
827	ALL	646241	4201880	NonCancer	0.00E+00	2.01E-09	0.00E+00	2.40E-10	2.40E-10	3.95E-10	5.07E-07	0.00E+00	6.37E-09	0.00E+00	2.40E-10	1.35E-07	0.00E+00	0.00E+00	5.07E-07
828	ALL	646341	4201880	NonCancer	0.00E+00	1.92E-09	0.00E+00	2.29E-10	2.29E-10	3.80E-10	4.84E-07	0.00E+00	6.08E-09	0.00E+00	2.29E-10	1.29E-07	0.00E+00	0.00E+00	4.84E-07
829	ALL	646441	4201880	NonCancer	0.00E+00	1.83E-09	0.00E+00	2.18E-10	2.18E-10	3.60E-10	4.60E-07	0.00E+00	5.79E-09	0.00E+00	2.18E-10	1.23E-07	0.00E+00	0.00E+00	4.60E-07
830	ALL	646541	4201880	NonCancer	0.00E+00	1.73E-09	0.00E+00	2.07E-10	2.07E-10	3.44E-10	4.37E-07	0.00E+00	5.49E-09	0.00E+00	2.07E-10	1.16E-07	0.00E+00	0.00E+00	4.37E-07
831	ALL	646641	4201880	NonCancer	0.00E+00	1.64E-09	0.00E+00	1.96E-10	1.96E-10	3.26E-10	4.13E-07	0.00E+00	5.19E-09	0.00E+00	1.96E-10	1.10E-07	0.00E+00	0.00E+00	4.13E-07
832	ALL	646741	4201880	NonCancer	0.00E+00	1.55E-09	0.00E+00	1.85E-10	1.85E-10	3.09E-10	3.91E-07	0.00E+00	4.91E-09	0.00E+00	1.85E-10	1.04E-07	0.00E+00	0.00E+00	3.91E-07
833	ALL	646841	4201880	NonCancer	0.00E+00	1.47E-09	0.00E+00	1.75E-10	1.75E-10	2.93E-10	3.70E-07	0.00E+00	4.65E-09	0.00E+00	1.75E-10	9.86E-08	0.00E+00	0.00E+00	3.70E-07
834	ALL	646941	4201880	NonCancer	0.00E+00	1.39E-09	0.00E+00	1.66E-10	1.66E-10	2.78E-10	3.50E-07	0.00E+00	4.40E-09	0.00E+00	1.66E-10	9.33E-08	0.00E+00	0.00E+00	3.50E-07
835	ALL	647041	4201880	NonCancer	0.00E+00	1.32E-09	0.00E+00	1.57E-10	1.57E-10	2.64E-10	3.31E-07	0.00E+00	4.16E-09	0.00E+00	1.57E-10	8.84E-08	0.00E+00	0.00E+00	3.31E-07
836	ALL	647141	4201880	NonCancer	0.00E+00	1.25E-09	0.00E+00	1.49E-10	1.49E-10	2.51E-10	3.14E-07	0.00E+00	3.95E-09	0.00E+00	1.49E-10	8.38E-08	0.00E+00	0.00E+00	3.14E-07
837	ALL	647241	4201880	NonCancer	0.00E+00	1.18E-09	0.00E+00	1.41E-10	1.41E-10	2.39E-10	2.98E-07	0.00E+00	3.75E-09	0.00E+00	1.41E-10	7.95E-08	0.00E+00	0.00E+00	2.98E-07
838	ALL	647341	4201880	NonCancer	0.00E+00	1.12E-09	0.00E+00	1.34E-10	1.34E-10	2.28E-10	2.83E-07	0.00E+00	3.56E-09	0.00E+00	1.34E-10	7.56E-08	0.00E+00	0.00E+00	2.83E-07
839	ALL	644341	4201980	NonCancer	0.00E+00	1.40E-09	0.00E+00	1.67E-10	1.67E-10	2.93E-10	3.53E-07	0.00E+00	4.43E-09	0.00E+00	1.67E-10	9.40E-08	0.00E+00	0.00E+00	3.53E-07
840	ALL	644441	4201980	NonCancer	0.00E+00	1.50E-09	0.00E+00	1.79E-10	1.79E-10	3.15E-10	3.78E-07	0.00E+00	4.74E-09	0.00E+00	1.79E-10	1.01E-07	0.00E+00	0.00E+00	3.78E-07
841	ALL	644541	4201980	NonCancer	0.00E+00	1.60E-09	0.00E+00	1.91E-10	1.91E-10	3.37E-10	4.04E-07	0.00E+00	5.06E-09	0.00E+00	1.91E-10	1.07E-07	0.00E+00	0.00E+00	4.04E-07
842	ALL	644641	4201980	NonCancer	0.00E+00	1.70E-09	0.00E+00	2.03E-10	2.03E-10	3.59E-10	4.29E-07	0.00E+00	5.38E-09	0.00E+00	2.03E-10	1.14E-07	0.00E+00	0.00E+00	4.29E-07
843	ALL	644741	4201980	NonCancer	0.00E+00	1.80E-09	0.00E+00	2.15E-10	2.15E-10	3.80E-10	4.55E-07	0.00E+00	5.70E-09	0.00E+00	2.15E-10	1.21E-07	0.00E+00	0.00E+00	4.55E-07
844	ALL	644841	4201980	NonCancer	0.00E+00	1.89E-09	0.00E+00	2.26E-10	2.26E-10	4.00E-10	4.78E-07	0.00E+00	6.00E-09	0.00E+00	2.26E-10	1.27E-07	0.00E+00	0.00E+00	4.78E-07
845	ALL	644941	4201980	NonCancer	0.00E+00	1.98E-09	0.00E+00	2.36E-10	2.36E-10	4.17E-10	4.99E-07	0.00E+00	6.26E-09	0.00E+00	2.36E-10	1.33E-07	0.00E+00	0.00E+00	4.99E-07
846	ALL	645041	4201980	NonCancer	0.00E+00	2.04E-09	0.00E+00	2.44E-10	2.44E-10	4.30E-10	5.16E-07	0.00E+00	6.48E-09	0.00E+00	2.44E-10	1.37E-07	0.00E+00	0.00E+00	5.16E-07

847	ALL	645141	4201980	NonCance	0.00E+00	2.09E-09	0.00E+00	2.50E-10	2.50E-10	4.39E-10	5.28E-07	0.00E+00	6.63E-09	0.00E+00	2.50E-10	1.41E-07	0.00E+00	0.00E+00	5.28E-07
848	ALL	645241	4201980	NonCance	0.00E+00	2.11E-09	0.00E+00	2.53E-10	2.53E-10	4.40E-10	5.34E-07	0.00E+00	6.70E-09	0.00E+00	2.53E-10	1.42E-07	0.00E+00	0.00E+00	5.34E-07
849	ALL	645341	4201980	NonCance	0.00E+00	2.12E-09	0.00E+00	2.53E-10	2.53E-10	4.37E-10	5.34E-07	0.00E+00	6.70E-09	0.00E+00	2.53E-10	1.42E-07	0.00E+00	0.00E+00	5.34E-07
850	ALL	645441	4201980	NonCance	0.00E+00	2.10E-09	0.00E+00	2.51E-10	2.51E-10	4.29E-10	5.30E-07	0.00E+00	6.66E-09	0.00E+00	2.51E-10	1.41E-07	0.00E+00	0.00E+00	5.30E-07
851	ALL	645541	4201980	NonCance	0.00E+00	2.08E-09	0.00E+00	2.48E-10	2.48E-10	4.18E-10	5.23E-07	0.00E+00	6.57E-09	0.00E+00	2.48E-10	1.40E-07	0.00E+00	0.00E+00	5.23E-07
852	ALL	645641	4201980	NonCance	0.00E+00	2.04E-09	0.00E+00	2.44E-10	2.44E-10	4.08E-10	5.15E-07	0.00E+00	6.47E-09	0.00E+00	2.44E-10	1.37E-07	0.00E+00	0.00E+00	5.15E-07
853	ALL	645741	4201980	NonCance	0.00E+00	2.01E-09	0.00E+00	2.40E-10	2.40E-10	3.94E-10	5.05E-07	0.00E+00	6.35E-09	0.00E+00	2.40E-10	1.35E-07	0.00E+00	0.00E+00	5.05E-07
854	ALL	645841	4201980	NonCance	0.00E+00	1.97E-09	0.00E+00	2.35E-10	2.35E-10	3.86E-10	4.95E-07	0.00E+00	6.22E-09	0.00E+00	2.35E-10	1.32E-07	0.00E+00	0.00E+00	4.95E-07
855	ALL	645941	4201980	NonCance	0.00E+00	1.92E-09	0.00E+00	2.30E-10	2.30E-10	3.81E-10	4.84E-07	0.00E+00	6.09E-09	0.00E+00	2.30E-10	1.29E-07	0.00E+00	0.00E+00	4.84E-07
856	ALL	646041	4201980	NonCance	0.00E+00	1.87E-09	0.00E+00	2.24E-10	2.24E-10	3.69E-10	4.72E-07	0.00E+00	5.93E-09	0.00E+00	2.24E-10	1.26E-07	0.00E+00	0.00E+00	4.72E-07
857	ALL	646141	4201980	NonCance	0.00E+00	1.82E-09	0.00E+00	2.17E-10	2.17E-10	3.58E-10	4.58E-07	0.00E+00	5.75E-09	0.00E+00	2.17E-10	1.22E-07	0.00E+00	0.00E+00	4.58E-07
858	ALL	646241	4201980	NonCance	0.00E+00	1.75E-09	0.00E+00	2.09E-10	2.09E-10	3.45E-10	4.41E-07	0.00E+00	5.55E-09	0.00E+00	2.09E-10	1.18E-07	0.00E+00	0.00E+00	4.41E-07
859	ALL	646341	4201980	NonCance	0.00E+00	1.68E-09	0.00E+00	2.01E-10	2.01E-10	3.31E-10	4.24E-07	0.00E+00	5.33E-09	0.00E+00	2.01E-10	1.13E-07	0.00E+00	0.00E+00	4.24E-07
860	ALL	646441	4201980	NonCance	0.00E+00	1.61E-09	0.00E+00	1.92E-10	1.92E-10	3.18E-10	4.05E-07	0.00E+00	5.10E-09	0.00E+00	1.92E-10	1.08E-07	0.00E+00	0.00E+00	4.05E-07
861	ALL	646541	4201980	NonCance	0.00E+00	1.53E-09	0.00E+00	1.83E-10	1.83E-10	3.05E-10	3.87E-07	0.00E+00	4.86E-09	0.00E+00	1.83E-10	1.03E-07	0.00E+00	0.00E+00	3.87E-07
862	ALL	646641	4201980	NonCance	0.00E+00	1.46E-09	0.00E+00	1.74E-10	1.74E-10	2.91E-10	3.68E-07	0.00E+00	4.62E-09	0.00E+00	1.74E-10	9.81E-08	0.00E+00	0.00E+00	3.68E-07
863	ALL	646741	4201980	NonCance	0.00E+00	1.39E-09	0.00E+00	1.66E-10	1.66E-10	2.77E-10	3.50E-07	0.00E+00	4.40E-09	0.00E+00	1.66E-10	9.33E-08	0.00E+00	0.00E+00	3.50E-07
864	ALL	646841	4201980	NonCance	0.00E+00	1.32E-09	0.00E+00	1.58E-10	1.58E-10	2.64E-10	3.33E-07	0.00E+00	4.18E-09	0.00E+00	1.58E-10	8.87E-08	0.00E+00	0.00E+00	3.33E-07
865	ALL	646941	4201980	NonCance	0.00E+00	1.26E-09	0.00E+00	1.50E-10	1.50E-10	2.51E-10	3.16E-07	0.00E+00	3.98E-09	0.00E+00	1.50E-10	8.44E-08	0.00E+00	0.00E+00	3.16E-07
866	ALL	647041	4201980	NonCance	0.00E+00	1.19E-09	0.00E+00	1.43E-10	1.43E-10	2.40E-10	3.01E-07	0.00E+00	3.78E-09	0.00E+00	1.43E-10	8.03E-08	0.00E+00	0.00E+00	3.01E-07
867	ALL	647141	4201980	NonCance	0.00E+00	1.14E-09	0.00E+00	1.36E-10	1.36E-10	2.29E-10	2.86E-07	0.00E+00	3.60E-09	0.00E+00	1.36E-10	7.64E-08	0.00E+00	0.00E+00	2.86E-07
868	ALL	647241	4201980	NonCance	0.00E+00	1.08E-09	0.00E+00	1.29E-10	1.29E-10	2.18E-10	2.73E-07	0.00E+00	3.43E-09	0.00E+00	1.29E-10	7.27E-08	0.00E+00	0.00E+00	2.73E-07
869	ALL	647341	4201980	NonCance	0.00E+00	1.03E-09	0.00E+00	1.23E-10	1.23E-10	2.09E-10	2.60E-07	0.00E+00	3.26E-09	0.00E+00	1.23E-10	6.93E-08	0.00E+00	0.00E+00	2.60E-07
870	ALL	644341	4202080	NonCance	0.00E+00	1.33E-09	0.00E+00	1.58E-10	1.58E-10	2.79E-10	3.35E-07	0.00E+00	4.20E-09	0.00E+00	1.58E-10	8.92E-08	0.00E+00	0.00E+00	3.35E-07
871	ALL	644441	4202080	NonCance	0.00E+00	1.41E-09	0.00E+00	1.68E-10	1.68E-10	2.97E-10	3.56E-07	0.00E+00	4.46E-09	0.00E+00	1.68E-10	9.48E-08	0.00E+00	0.00E+00	3.56E-07
872	ALL	644541	4202080	NonCance	0.00E+00	1.49E-09	0.00E+00	1.78E-10	1.78E-10	3.15E-10	3.77E-07	0.00E+00	4.73E-09	0.00E+00	1.78E-10	1.00E-07	0.00E+00	0.00E+00	3.77E-07
873	ALL	644641	4202080	NonCance	0.00E+00	1.57E-09	0.00E+00	1.88E-10	1.88E-10	3.32E-10	3.98E-07	0.00E+00	4.99E-09	0.00E+00	1.88E-10	1.06E-07	0.00E+00	0.00E+00	3.98E-07
874	ALL	644741	4202080	NonCance	0.00E+00	1.65E-09	0.00E+00	1.97E-10	1.97E-10	3.48E-10	4.17E-07	0.00E+00	5.23E-09	0.00E+00	1.97E-10	1.11E-07	0.00E+00	0.00E+00	4.17E-07
875	ALL	644841	4202080	NonCance	0.00E+00	1.72E-09	0.00E+00	2.05E-10	2.05E-10	3.62E-10	4.34E-07	0.00E+00	5.44E-09	0.00E+00	2.05E-10	1.16E-07	0.00E+00	0.00E+00	4.34E-07
876	ALL	644941	4202080	NonCance	0.00E+00	1.78E-09	0.00E+00	2.12E-10	2.12E-10	3.74E-10	4.49E-07	0.00E+00	5.63E-09	0.00E+00	2.12E-10	1.19E-07	0.00E+00	0.00E+00	4.49E-07
877	ALL	645041	4202080	NonCance	0.00E+00	1.82E-09	0.00E+00	2.17E-10	2.17E-10	3.81E-10	4.59E-07	0.00E+00	5.75E-09	0.00E+00	2.17E-10	1.22E-07	0.00E+00	0.00E+00	4.59E-07
878	ALL	645141	4202080	NonCance	0.00E+00	1.84E-09	0.00E+00	2.20E-10	2.20E-10	3.84E-10	4.65E-07	0.00E+00	5.83E-09	0.00E+00	2.20E-10	1.24E-07	0.00E+00	0.00E+00	4.65E-07
879	ALL	645241	4202080	NonCance	0.00E+00	1.85E-09	0.00E+00	2.21E-10	2.21E-10	3.83E-10	4.67E-07	0.00E+00	5.86E-09	0.00E+00	2.21E-10	1.24E-07	0.00E+00	0.00E+00	4.67E-07
880	ALL	645341	4202080	NonCance	0.00E+00	1.84E-09	0.00E+00	2.20E-10	2.20E-10	3.78E-10	4.65E-07	0.00E+00	5.83E-09	0.00E+00	2.20E-10	1.24E-07	0.00E+00	0.00E+00	4.65E-07
881	ALL	645441	4202080	NonCance	0.00E+00	1.82E-09	0.00E+00	2.18E-10	2.18E-10	3.71E-10	4.60E-07	0.00E+00	5.78E-09	0.00E+00	2.18E-10	1.23E-07	0.00E+00	0.00E+00	4.60E-07
882	ALL	645541	4202080	NonCance	0.00E+00	1.80E-09	0.00E+00	2.15E-10	2.15E-10	3.58E-10	4.53E-07	0.00E+00	5.69E-09	0.00E+00	2.15E-10	1.21E-07	0.00E+00	0.00E+00	4.53E-07
883	ALL	645641	4202080	NonCance	0.00E+00	1.77E-09	0.00E+00	2.11E-10	2.11E-10	3.48E-10	4.46E-07	0.00E+00	5.60E-09	0.00E+00	2.11E-10	1.19E-07	0.00E+00	0.00E+00	4.46E-07
884	ALL	645741	4202080	NonCance	0.00E+00	1.74E-09	0.00E+00	2.08E-10	2.08E-10	3.41E-10	4.38E-07	0.00E+00	5.50E-09	0.00E+00	2.08E-10	1.17E-07	0.00E+00	0.00E+00	4.38E-07
885	ALL	645841	4202080	NonCance	0.00E+00	1.71E-09	0.00E+00	2.04E-10	2.04E-10	3.36E-10	4.30E-07	0.00E+00	5.41E-09	0.00E+00	2.04E-10	1.15E-07	0.00E+00	0.00E+00	4.30E-07
886	ALL	645941	4202080	NonCance	0.00E+00	1.67E-09	0.00E+00	2.00E-10	2.00E-10	3.32E-10	4.22E-07	0.00E+00	5.30E-09	0.00E+00	2.00E-10	1.13E-07	0.00E+00	0.00E+00	4.22E-07
887	ALL	646041	4202080	NonCance	0.00E+00	1.64E-09	0.00E+00	1.95E-10	1.95E-10	3.23E-10	4.12E-07	0.00E+00	5.18E-09	0.00E+00	1.95E-10	1.10E-07	0.00E+00	0.00E+00	4.12E-07
888	ALL	646141	4202080	NonCance	0.00E+00	1.59E-09	0.00E+00	1.90E-10	1.90E-10	3.14E-10	4.01E-07	0.00E+00	5.04E-09	0.00E+00	1.90E-10	1.07E-07	0.00E+00	0.00E+00	4.01E-07
889	ALL	646241	4202080	NonCance	0.00E+00	1.54E-09	0.00E+00	1.84E-10	1.84E-10	3.04E-10	3.89E-07	0.00E+00	4.89E-09	0.00E+00	1.84E-10	1.04E-07	0.00E+00	0.00E+00	3.89E-07
890	ALL	646341	4202080	NonCance	0.00E+00	1.49E-09	0.00E+00	1.78E-10	1.78E-10	2.93E-10	3.75E-07	0.00E+00	4.71E-09	0.00E+00	1.78E-10	1.00E-07	0.00E+00	0.00E+00	3.75E-07
891	ALL	646441	4202080	NonCance	0.00E+00	1.43E-09	0.00E+00	1.71E-10	1.71E-10	2.82E-10	3.60E-07	0.00E+00	4.53E-09	0.00E+00	1.71E-10	9.61E-08	0.00E+00	0.00E+00	3.60E-07
892	ALL	646541	4202080	NonCance	0.00E+00	1.37E-09	0.00E+00	1.64E-10	1.64E-10	2.70E-10	3.45E-07	0.00E+00	4.34E-09	0.00E+00	1.64E-10	9.20E-08	0.00E+00	0.00E+00	3.45E-07
893	ALL	646641	4202080	NonCance	0.00E+00	1.31E-09	0.00E+00	1.56E-10	1.56E-10	2.60E-10	3.30E-07	0.00E+00	4.15E-09	0.00E+00	1.56E-10	8.80E-08	0.00E+00	0.00E+00	3.30E-07
894	ALL	646741	4202080	NonCance	0.00E+00	1.25E-09	0.00E+00	1.49E-10	1.49E-10	2.49E-10	3.15E-07	0.00E+00	3.96E-09	0.00E+00	1.49E-10	8.41E-08	0.00E+00	0.00E+00	3.15E-07
895	ALL	646841	4202080	NonCance	0.00E+00	1.19E-09	0.00E+00	1.43E-10	1.43E-10	2.39E-10	3.01E-07	0.00E+00	3.78E-09	0.00E+00	1.43E-10	8.03E-08	0.00E+00	0.00E+00	3.01E-07
896	ALL	646941	4202080	NonCance	0.00E+00	1.14E-09	0.00E+00	1.36E-10	1.36E-10	2.28E-10	2.87E-07	0.00E+00	3.61E-09	0.00E+00	1.36E-10	7.66E-08	0.00E+00	0.00E+00	2.87E-07
897	ALL	647041	4202080	NonCance	0.00E+00	1.09E-09	0.00E+00	1.30E-10	1.30E-10	2.18E-10	2.74E-07	0.00E+00	3.45E-09	0.00E+00	1.30E-10	7.32E-08	0.00E+00	0.00E+00	2.74E-07
898	ALL	647141	4202080	NonCance	0.00E+00	1.04E-09	0.00E+00	1.24E-10	1.24E-10	2.09E-10	2.62E-07	0.00E+00	3.29E-09	0.00E+00	1.24E-10	6.99E-08	0.00E+00	0.00E+00	2.62E-07
899	ALL	647241	4202080	NonCance	0.00E+00	9.93E-10	0.00E+00	1.19E-10	1.19E-10	2.00E-10	2.50E-07	0.00E+00	3.15E-09	0.00E+00	1.19E-10	6.68E-08	0.00E+00	0.00E+00	2.50E-07

900	ALL	647341	4202080	NonCancer	0.00E+00	9.50E-10	0.00E+00	1.13E-10	1.13E-10	1.92E-10	2.39E-07	0.00E+00	3.01E-09	0.00E+00	1.13E-10	6.38E-08	0.00E+00	0.00E+00	2.39E-07
901	ALL	644341	4202180	NonCancer	0.00E+00	1.25E-09	0.00E+00	1.50E-10	1.50E-10	2.64E-10	3.17E-07	0.00E+00	3.97E-09	0.00E+00	1.50E-10	8.44E-08	0.00E+00	0.00E+00	3.17E-07
902	ALL	644441	4202180	NonCancer	0.00E+00	1.32E-09	0.00E+00	1.58E-10	1.58E-10	2.79E-10	3.34E-07	0.00E+00	4.19E-09	0.00E+00	1.58E-10	8.90E-08	0.00E+00	0.00E+00	3.34E-07
903	ALL	644541	4202180	NonCancer	0.00E+00	1.39E-09	0.00E+00	1.66E-10	1.66E-10	2.93E-10	3.51E-07	0.00E+00	4.40E-09	0.00E+00	1.66E-10	9.35E-08	0.00E+00	0.00E+00	3.51E-07
904	ALL	644641	4202180	NonCancer	0.00E+00	1.45E-09	0.00E+00	1.74E-10	1.74E-10	3.06E-10	3.67E-07	0.00E+00	4.60E-09	0.00E+00	1.74E-10	9.78E-08	0.00E+00	0.00E+00	3.67E-07
905	ALL	644741	4202180	NonCancer	0.00E+00	1.51E-09	0.00E+00	1.80E-10	1.80E-10	3.18E-10	3.81E-07	0.00E+00	4.78E-09	0.00E+00	1.80E-10	1.02E-07	0.00E+00	0.00E+00	3.81E-07
906	ALL	644841	4202180	NonCancer	0.00E+00	1.56E-09	0.00E+00	1.86E-10	1.86E-10	3.27E-10	3.93E-07	0.00E+00	4.93E-09	0.00E+00	1.86E-10	1.05E-07	0.00E+00	0.00E+00	3.93E-07
907	ALL	644941	4202180	NonCancer	0.00E+00	1.60E-09	0.00E+00	1.91E-10	1.91E-10	3.34E-10	4.03E-07	0.00E+00	5.05E-09	0.00E+00	1.91E-10	1.07E-07	0.00E+00	0.00E+00	4.03E-07
908	ALL	645041	4202180	NonCancer	0.00E+00	1.62E-09	0.00E+00	1.94E-10	1.94E-10	3.38E-10	4.09E-07	0.00E+00	5.13E-09	0.00E+00	1.94E-10	1.09E-07	0.00E+00	0.00E+00	4.09E-07
909	ALL	645141	4202180	NonCancer	0.00E+00	1.63E-09	0.00E+00	1.95E-10	1.95E-10	3.39E-10	4.12E-07	0.00E+00	5.17E-09	0.00E+00	1.95E-10	1.10E-07	0.00E+00	0.00E+00	4.12E-07
910	ALL	645241	4202180	NonCancer	0.00E+00	1.63E-09	0.00E+00	1.95E-10	1.95E-10	3.36E-10	4.11E-07	0.00E+00	5.16E-09	0.00E+00	1.95E-10	1.10E-07	0.00E+00	0.00E+00	4.11E-07
911	ALL	645341	4202180	NonCancer	0.00E+00	1.62E-09	0.00E+00	1.93E-10	1.93E-10	3.29E-10	4.08E-07	0.00E+00	5.12E-09	0.00E+00	1.93E-10	1.09E-07	0.00E+00	0.00E+00	4.08E-07
912	ALL	645441	4202180	NonCancer	0.00E+00	1.60E-09	0.00E+00	1.91E-10	1.91E-10	3.21E-10	4.03E-07	0.00E+00	5.06E-09	0.00E+00	1.91E-10	1.07E-07	0.00E+00	0.00E+00	4.03E-07
913	ALL	645541	4202180	NonCancer	0.00E+00	1.57E-09	0.00E+00	1.88E-10	1.88E-10	3.10E-10	3.96E-07	0.00E+00	4.98E-09	0.00E+00	1.88E-10	1.06E-07	0.00E+00	0.00E+00	3.96E-07
914	ALL	645641	4202180	NonCancer	0.00E+00	1.55E-09	0.00E+00	1.85E-10	1.85E-10	3.03E-10	3.90E-07	0.00E+00	4.90E-09	0.00E+00	1.85E-10	1.04E-07	0.00E+00	0.00E+00	3.90E-07
915	ALL	645741	4202180	NonCancer	0.00E+00	1.52E-09	0.00E+00	1.82E-10	1.82E-10	2.99E-10	3.84E-07	0.00E+00	4.83E-09	0.00E+00	1.82E-10	1.02E-07	0.00E+00	0.00E+00	3.84E-07
916	ALL	645841	4202180	NonCancer	0.00E+00	1.50E-09	0.00E+00	1.79E-10	1.79E-10	2.95E-10	3.78E-07	0.00E+00	4.75E-09	0.00E+00	1.79E-10	1.01E-07	0.00E+00	0.00E+00	3.78E-07
917	ALL	645941	4202180	NonCancer	0.00E+00	1.47E-09	0.00E+00	1.76E-10	1.76E-10	2.90E-10	3.72E-07	0.00E+00	4.67E-09	0.00E+00	1.76E-10	9.91E-08	0.00E+00	0.00E+00	3.72E-07
918	ALL	646041	4202180	NonCancer	0.00E+00	1.45E-09	0.00E+00	1.73E-10	1.73E-10	2.85E-10	3.64E-07	0.00E+00	4.58E-09	0.00E+00	1.73E-10	9.71E-08	0.00E+00	0.00E+00	3.64E-07
919	ALL	646141	4202180	NonCancer	0.00E+00	1.41E-09	0.00E+00	1.69E-10	1.69E-10	2.78E-10	3.56E-07	0.00E+00	4.47E-09	0.00E+00	1.69E-10	9.49E-08	0.00E+00	0.00E+00	3.56E-07
920	ALL	646241	4202180	NonCancer	0.00E+00	1.37E-09	0.00E+00	1.64E-10	1.64E-10	2.70E-10	3.46E-07	0.00E+00	4.34E-09	0.00E+00	1.64E-10	9.22E-08	0.00E+00	0.00E+00	3.46E-07
921	ALL	646341	4202180	NonCancer	0.00E+00	1.33E-09	0.00E+00	1.59E-10	1.59E-10	2.62E-10	3.35E-07	0.00E+00	4.20E-09	0.00E+00	1.59E-10	8.92E-08	0.00E+00	0.00E+00	3.35E-07
922	ALL	646441	4202180	NonCancer	0.00E+00	1.28E-09	0.00E+00	1.53E-10	1.53E-10	2.54E-10	3.23E-07	0.00E+00	4.05E-09	0.00E+00	1.53E-10	8.60E-08	0.00E+00	0.00E+00	3.23E-07
923	ALL	646541	4202180	NonCancer	0.00E+00	1.23E-09	0.00E+00	1.47E-10	1.47E-10	2.45E-10	3.10E-07	0.00E+00	3.90E-09	0.00E+00	1.47E-10	8.27E-08	0.00E+00	0.00E+00	3.10E-07
924	ALL	646641	4202180	NonCancer	0.00E+00	1.18E-09	0.00E+00	1.41E-10	1.41E-10	2.35E-10	2.98E-07	0.00E+00	3.74E-09	0.00E+00	1.41E-10	7.94E-08	0.00E+00	0.00E+00	2.98E-07
925	ALL	646741	4202180	NonCancer	0.00E+00	1.13E-09	0.00E+00	1.35E-10	1.35E-10	2.24E-10	2.86E-07	0.00E+00	3.59E-09	0.00E+00	1.35E-10	7.61E-08	0.00E+00	0.00E+00	2.86E-07
926	ALL	646841	4202180	NonCancer	0.00E+00	1.09E-09	0.00E+00	1.30E-10	1.30E-10	2.15E-10	2.74E-07	0.00E+00	3.44E-09	0.00E+00	1.30E-10	7.30E-08	0.00E+00	0.00E+00	2.74E-07
927	ALL	646941	4202180	NonCancer	0.00E+00	1.04E-09	0.00E+00	1.24E-10	1.24E-10	2.07E-10	2.62E-07	0.00E+00	3.29E-09	0.00E+00	1.24E-10	6.99E-08	0.00E+00	0.00E+00	2.62E-07
928	ALL	647041	4202180	NonCancer	0.00E+00	9.97E-10	0.00E+00	1.19E-10	1.19E-10	2.00E-10	2.51E-07	0.00E+00	3.16E-09	0.00E+00	1.19E-10	6.70E-08	0.00E+00	0.00E+00	2.51E-07
929	ALL	647141	4202180	NonCancer	0.00E+00	9.55E-10	0.00E+00	1.14E-10	1.14E-10	1.92E-10	2.41E-07	0.00E+00	3.03E-09	0.00E+00	1.14E-10	6.42E-08	0.00E+00	0.00E+00	2.41E-07
930	ALL	647241	4202180	NonCancer	0.00E+00	9.16E-10	0.00E+00	1.09E-10	1.09E-10	1.84E-10	2.31E-07	0.00E+00	2.90E-09	0.00E+00	1.09E-10	6.15E-08	0.00E+00	0.00E+00	2.31E-07
931	ALL	647341	4202180	NonCancer	0.00E+00	8.78E-10	0.00E+00	1.05E-10	1.05E-10	1.77E-10	2.21E-07	0.00E+00	2.78E-09	0.00E+00	1.05E-10	5.90E-08	0.00E+00	0.00E+00	2.21E-07
932	ALL	644341	4202280	NonCancer	0.00E+00	1.18E-09	0.00E+00	1.41E-10	1.41E-10	2.49E-10	2.99E-07	0.00E+00	3.75E-09	0.00E+00	1.41E-10	7.96E-08	0.00E+00	0.00E+00	2.99E-07
933	ALL	644441	4202280	NonCancer	0.00E+00	1.24E-09	0.00E+00	1.48E-10	1.48E-10	2.61E-10	3.13E-07	0.00E+00	3.92E-09	0.00E+00	1.48E-10	8.33E-08	0.00E+00	0.00E+00	3.13E-07
934	ALL	644541	4202280	NonCancer	0.00E+00	1.29E-09	0.00E+00	1.54E-10	1.54E-10	2.72E-10	3.26E-07	0.00E+00	4.09E-09	0.00E+00	1.54E-10	8.68E-08	0.00E+00	0.00E+00	3.26E-07
935	ALL	644641	4202280	NonCancer	0.00E+00	1.34E-09	0.00E+00	1.60E-10	1.60E-10	2.82E-10	3.38E-07	0.00E+00	4.24E-09	0.00E+00	1.60E-10	9.00E-08	0.00E+00	0.00E+00	3.38E-07
936	ALL	644741	4202280	NonCancer	0.00E+00	1.38E-09	0.00E+00	1.65E-10	1.65E-10	2.90E-10	3.49E-07	0.00E+00	4.37E-09	0.00E+00	1.65E-10	9.29E-08	0.00E+00	0.00E+00	3.49E-07
937	ALL	644841	4202280	NonCancer	0.00E+00	1.41E-09	0.00E+00	1.69E-10	1.69E-10	2.96E-10	3.57E-07	0.00E+00	4.48E-09	0.00E+00	1.69E-10	9.51E-08	0.00E+00	0.00E+00	3.57E-07
938	ALL	644941	4202280	NonCancer	0.00E+00	1.44E-09	0.00E+00	1.72E-10	1.72E-10	3.00E-10	3.63E-07	0.00E+00	4.55E-09	0.00E+00	1.72E-10	9.67E-08	0.00E+00	0.00E+00	3.63E-07
939	ALL	645041	4202280	NonCancer	0.00E+00	1.45E-09	0.00E+00	1.73E-10	1.73E-10	3.01E-10	3.66E-07	0.00E+00	4.59E-09	0.00E+00	1.73E-10	9.75E-08	0.00E+00	0.00E+00	3.66E-07
940	ALL	645141	4202280	NonCancer	0.00E+00	1.45E-09	0.00E+00	1.73E-10	1.73E-10	3.00E-10	3.66E-07	0.00E+00	4.60E-09	0.00E+00	1.73E-10	9.76E-08	0.00E+00	0.00E+00	3.66E-07
941	ALL	645241	4202280	NonCancer	0.00E+00	1.44E-09	0.00E+00	1.73E-10	1.73E-10	2.93E-10	3.64E-07	0.00E+00	4.57E-09	0.00E+00	1.73E-10	9.71E-08	0.00E+00	0.00E+00	3.64E-07
942	ALL	645341	4202280	NonCancer	0.00E+00	1.43E-09	0.00E+00	1.71E-10	1.71E-10	2.87E-10	3.60E-07	0.00E+00	4.53E-09	0.00E+00	1.71E-10	9.61E-08	0.00E+00	0.00E+00	3.60E-07
943	ALL	645441	4202280	NonCancer	0.00E+00	1.41E-09	0.00E+00	1.68E-10	1.68E-10	2.79E-10	3.55E-07	0.00E+00	4.46E-09	0.00E+00	1.68E-10	9.47E-08	0.00E+00	0.00E+00	3.55E-07
944	ALL	645541	4202280	NonCancer	0.00E+00	1.39E-09	0.00E+00	1.66E-10	1.66E-10	2.72E-10	3.50E-07	0.00E+00	4.40E-09	0.00E+00	1.66E-10	9.33E-08	0.00E+00	0.00E+00	3.50E-07
945	ALL	645641	4202280	NonCancer	0.00E+00	1.37E-09	0.00E+00	1.63E-10	1.63E-10	2.67E-10	3.45E-07	0.00E+00	4.33E-09	0.00E+00	1.63E-10	9.20E-08	0.00E+00	0.00E+00	3.45E-07
946	ALL	645741	4202280	NonCancer	0.00E+00	1.35E-09	0.00E+00	1.61E-10	1.61E-10	2.63E-10	3.40E-07	0.00E+00	4.27E-09	0.00E+00	1.61E-10	9.06E-08	0.00E+00	0.00E+00	3.40E-07
947	ALL	645841	4202280	NonCancer	0.00E+00	1.33E-09	0.00E+00	1.59E-10	1.59E-10	2.59E-10	3.35E-07	0.00E+00	4.21E-09	0.00E+00	1.59E-10	8.94E-08	0.00E+00	0.00E+00	3.35E-07
948	ALL	645941	4202280	NonCancer	0.00E+00	1.31E-09	0.00E+00	1.56E-10	1.56E-10	2.56E-10	3.30E-07	0.00E+00	4.15E-09	0.00E+00	1.56E-10	8.80E-08	0.00E+00	0.00E+00	3.30E-07
949	ALL	646041	4202280	NonCancer	0.00E+00	1.29E-09	0.00E+00	1.54E-10	1.54E-10	2.53E-10	3.25E-07	0.00E+00	4.08E-09	0.00E+00	1.54E-10	8.65E-08	0.00E+00	0.00E+00	3.25E-07
950	ALL	646141	4202280	NonCancer	0.00E+00	1.26E-09	0.00E+00	1.51E-10	1.51E-10	2.49E-10	3.18E-07	0.00E+00	3.99E-09	0.00E+00	1.51E-10	8.48E-08	0.00E+00	0.00E+00	3.18E-07
951	ALL	646241	4202280	NonCancer	0.00E+00	1.23E-09	0.00E+00	1.47E-10	1.47E-10	2.44E-10	3.10E-07	0.00E+00	3.89E-09	0.00E+00	1.47E-10	8.26E-08	0.00E+00	0.00E+00	3.10E-07
952	ALL	646341	4202280	NonCancer	0.00E+00	1.19E-09	0.00E+00	1.43E-10	1.43E-10	2.37E-10	3.01E-07	0.00E+00	3.78E-09	0.00E+00	1.43E-10	8.02E-08	0.00E+00	0.00E+00	3.01E-07

953	ALL	646441	4202280	NonCance	0.00E+00	1.15E-09	0.00E+00	1.38E-10	1.38E-10	2.29E-10	2.91E-07	0.00E+00	3.65E-09	0.00E+00	1.38E-10	7.76E-08	0.00E+00	0.00E+00	2.91E-07
954	ALL	646541	4202280	NonCance	0.00E+00	1.11E-09	0.00E+00	1.33E-10	1.33E-10	2.22E-10	2.81E-07	0.00E+00	3.53E-09	0.00E+00	1.33E-10	7.49E-08	0.00E+00	0.00E+00	2.81E-07
955	ALL	646641	4202280	NonCance	0.00E+00	1.07E-09	0.00E+00	1.28E-10	1.28E-10	2.14E-10	2.70E-07	0.00E+00	3.40E-09	0.00E+00	1.28E-10	7.21E-08	0.00E+00	0.00E+00	2.70E-07
956	ALL	646741	4202280	NonCance	0.00E+00	1.03E-09	0.00E+00	1.23E-10	1.23E-10	2.05E-10	2.60E-07	0.00E+00	3.27E-09	0.00E+00	1.23E-10	6.94E-08	0.00E+00	0.00E+00	2.60E-07
957	ALL	646841	4202280	NonCance	0.00E+00	9.92E-10	0.00E+00	1.18E-10	1.18E-10	1.98E-10	2.50E-07	0.00E+00	3.14E-09	0.00E+00	1.18E-10	6.67E-08	0.00E+00	0.00E+00	2.50E-07
958	ALL	646941	4202280	NonCance	0.00E+00	9.54E-10	0.00E+00	1.14E-10	1.14E-10	1.91E-10	2.40E-07	0.00E+00	3.02E-09	0.00E+00	1.14E-10	6.41E-08	0.00E+00	0.00E+00	2.40E-07
959	ALL	647041	4202280	NonCance	0.00E+00	9.16E-10	0.00E+00	1.09E-10	1.09E-10	1.84E-10	2.31E-07	0.00E+00	2.90E-09	0.00E+00	1.09E-10	6.16E-08	0.00E+00	0.00E+00	2.31E-07
960	ALL	647141	4202280	NonCance	0.00E+00	8.81E-10	0.00E+00	1.05E-10	1.05E-10	1.77E-10	2.22E-07	0.00E+00	2.79E-09	0.00E+00	1.05E-10	5.92E-08	0.00E+00	0.00E+00	2.22E-07
961	ALL	647241	4202280	NonCance	0.00E+00	8.47E-10	0.00E+00	1.01E-10	1.01E-10	1.70E-10	2.13E-07	0.00E+00	2.68E-09	0.00E+00	1.01E-10	5.69E-08	0.00E+00	0.00E+00	2.13E-07
962	ALL	647341	4202280	NonCance	0.00E+00	8.14E-10	0.00E+00	9.72E-11	9.72E-11	1.64E-10	2.05E-07	0.00E+00	2.58E-09	0.00E+00	9.72E-11	5.47E-08	0.00E+00	0.00E+00	2.05E-07
963	ALL	645946	4200732	NonCance	0.00E+00	7.46E-08	0.00E+00	8.91E-09	8.91E-09	2.60E-08	2.03E-05	0.00E+00	2.36E-07	0.00E+00	8.91E-09	5.03E-06	0.00E+00	0.00E+00	2.03E-05
964	ALL	645933.7	4200897	NonCance	0.00E+00	1.69E-07	0.00E+00	2.02E-08	2.02E-08	2.80E-08	4.20E-05	0.00E+00	5.34E-07	0.00E+00	2.02E-08	1.13E-05	0.00E+00	0.00E+00	4.20E-05
965	ALL	645889.9	4200890	NonCance	0.00E+00	1.74E-07	0.00E+00	2.07E-08	2.07E-08	3.01E-08	4.34E-05	0.00E+00	5.50E-07	0.00E+00	2.07E-08	1.17E-05	0.00E+00	0.00E+00	4.34E-05
966	ALL	645847.2	4200866	NonCance	0.00E+00	1.84E-07	0.00E+00	2.20E-08	2.20E-08	3.01E-08	4.65E-05	0.00E+00	5.84E-07	0.00E+00	2.20E-08	1.24E-05	0.00E+00	0.00E+00	4.65E-05
967	ALL	645698	4200718	NonCance	0.00E+00	2.49E-07	0.00E+00	2.97E-08	2.97E-08	3.35E-08	6.16E-05	0.00E+00	7.88E-07	0.00E+00	2.97E-08	1.67E-05	0.00E+00	0.00E+00	6.16E-05
968	ALL	645704.7	4200712	NonCance	0.00E+00	2.49E-07	0.00E+00	2.97E-08	2.97E-08	3.35E-08	6.16E-05	0.00E+00	7.88E-07	0.00E+00	2.97E-08	1.67E-05	0.00E+00	0.00E+00	6.16E-05

HARP2 - HRACalc (dated 22118) 12/2/2022 10:51:05 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\OffSiteWorkerOpsCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\OffSiteWorkerOpsCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 12/2/2022 10:51:05 AM - Cancer Risk - Input File: C:\Users\mslavick\Desktop\HARP2\BAYOTECH STOCKTON HRA EVALUATION\hra\OffSiteWorkerOpsHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		648148	4201091	5.50E-12	25YrCance	5.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		646506.5	4202112	5.03E-12	25YrCance	5.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		645939.2	4200707	6.44E-10	25YrCance	6.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		644341	4199280	3.16E-12	25YrCance	3.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		644441	4199280	3.35E-12	25YrCance	3.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		644541	4199280	3.57E-12	25YrCance	3.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		644641	4199280	3.82E-12	25YrCance	3.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		644741	4199280	4.10E-12	25YrCance	4.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		644841	4199280	4.42E-12	25YrCance	4.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		644941	4199280	4.77E-12	25YrCance	4.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		645041	4199280	5.15E-12	25YrCance	5.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		645141	4199280	5.53E-12	25YrCance	5.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		645241	4199280	5.89E-12	25YrCance	5.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		645341	4199280	6.20E-12	25YrCance	6.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		645441	4199280	6.45E-12	25YrCance	6.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		645541	4199280	6.63E-12	25YrCance	6.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		645641	4199280	6.76E-12	25YrCance	6.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		645741	4199280	6.89E-12	25YrCance	6.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		645841	4199280	7.05E-12	25YrCance	7.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		645941	4199280	7.27E-12	25YrCance	7.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		646041	4199280	7.53E-12	25YrCance	7.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		646141	4199280	7.80E-12	25YrCance	7.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		646241	4199280	8.05E-12	25YrCance	8.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		646341	4199280	8.23E-12	25YrCance	8.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		646441	4199280	8.33E-12	25YrCance	8.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		646541	4199280	8.36E-12	25YrCance	8.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		646641	4199280	8.31E-12	25YrCance	8.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		646741	4199280	8.22E-12	25YrCance	8.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		646841	4199280	8.08E-12	25YrCance	8.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		646941	4199280	7.91E-12	25YrCance	7.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		647041	4199280	7.73E-12	25YrCance	7.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		647141	4199280	7.53E-12	25YrCance	7.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		647241	4199280	7.32E-12	25YrCance	7.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		647341	4199280	7.09E-12	25YrCance	7.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		644341	4199380	3.34E-12	25YrCance	3.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		644441	4199380	3.55E-12	25YrCance	3.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		644541	4199380	3.78E-12	25YrCance	3.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		644641	4199380	4.04E-12	25YrCance	4.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		644741	4199380	4.35E-12	25YrCance	4.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		644841	4199380	4.70E-12	25YrCance	4.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		644941	4199380	5.09E-12	25YrCance	5.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		645041	4199380	5.53E-12	25YrCance	5.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		645141	4199380	5.98E-12	25YrCance	5.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		645241	4199380	6.42E-12	25YrCance	6.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		645341	4199380	6.82E-12	25YrCance	6.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		645441	4199380	7.14E-12	25YrCance	7.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

47	ALL	645541	4199380	7.38E-12	25YrCance	7.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	645641	4199380	7.56E-12	25YrCance	7.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	645741	4199380	7.72E-12	25YrCance	7.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	645841	4199380	7.92E-12	25YrCance	7.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	645941	4199380	8.18E-12	25YrCance	8.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	646041	4199380	8.50E-12	25YrCance	8.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	646141	4199380	8.82E-12	25YrCance	8.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	646241	4199380	9.08E-12	25YrCance	9.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	646341	4199380	9.27E-12	25YrCance	9.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	646441	4199380	9.36E-12	25YrCance	9.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	646541	4199380	9.35E-12	25YrCance	9.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	646641	4199380	9.27E-12	25YrCance	9.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	646741	4199380	9.12E-12	25YrCance	9.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	646841	4199380	8.94E-12	25YrCance	8.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	646941	4199380	8.72E-12	25YrCance	8.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	647041	4199380	8.49E-12	25YrCance	8.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	647141	4199380	8.23E-12	25YrCance	8.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	647241	4199380	7.96E-12	25YrCance	7.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	647341	4199380	7.67E-12	25YrCance	7.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	644341	4199480	3.54E-12	25YrCance	3.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	644441	4199480	3.76E-12	25YrCance	3.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	644541	4199480	4.01E-12	25YrCance	4.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	644641	4199480	4.29E-12	25YrCance	4.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	644741	4199480	4.62E-12	25YrCance	4.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	644841	4199480	5.01E-12	25YrCance	5.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	644941	4199480	5.45E-12	25YrCance	5.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	645041	4199480	5.95E-12	25YrCance	5.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	645141	4199480	6.48E-12	25YrCance	6.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	645241	4199480	7.03E-12	25YrCance	7.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	645341	4199480	7.53E-12	25YrCance	7.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	645441	4199480	7.96E-12	25YrCance	7.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	645541	4199480	8.28E-12	25YrCance	8.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	645641	4199480	8.51E-12	25YrCance	8.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	645741	4199480	8.72E-12	25YrCance	8.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	645841	4199480	8.97E-12	25YrCance	8.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	645941	4199480	9.30E-12	25YrCance	9.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	646041	4199480	9.68E-12	25YrCance	9.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	646141	4199480	1.01E-11	25YrCance	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	646241	4199480	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	646341	4199480	1.05E-11	25YrCance	1.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	646441	4199480	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	646541	4199480	1.05E-11	25YrCance	1.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	646641	4199480	1.04E-11	25YrCance	1.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	646741	4199480	1.02E-11	25YrCance	1.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	646841	4199480	9.94E-12	25YrCance	9.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	646941	4199480	9.65E-12	25YrCance	9.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	647041	4199480	9.34E-12	25YrCance	9.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	647141	4199480	9.00E-12	25YrCance	9.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

95	ALL	647241	4199480	8.65E-12	25YrCance	8.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	647341	4199480	8.28E-12	25YrCance	8.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	644341	4199580	3.76E-12	25YrCance	3.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	644441	4199580	4.00E-12	25YrCance	4.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	644541	4199580	4.28E-12	25YrCance	4.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	644641	4199580	4.58E-12	25YrCance	4.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	644741	4199580	4.94E-12	25YrCance	4.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	644841	4199580	5.36E-12	25YrCance	5.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	644941	4199580	5.85E-12	25YrCance	5.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	645041	4199580	6.42E-12	25YrCance	6.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	645141	4199580	7.05E-12	25YrCance	7.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	645241	4199580	7.71E-12	25YrCance	7.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	645341	4199580	8.36E-12	25YrCance	8.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	645441	4199580	8.92E-12	25YrCance	8.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	645541	4199580	9.35E-12	25YrCance	9.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	645641	4199580	9.67E-12	25YrCance	9.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	645741	4199580	9.95E-12	25YrCance	9.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	645841	4199580	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	645941	4199580	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	646041	4199580	1.12E-11	25YrCance	1.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	646141	4199580	1.16E-11	25YrCance	1.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	646241	4199580	1.19E-11	25YrCance	1.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	646341	4199580	1.21E-11	25YrCance	1.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	646441	4199580	1.21E-11	25YrCance	1.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	646541	4199580	1.20E-11	25YrCance	1.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	646641	4199580	1.17E-11	25YrCance	1.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	646741	4199580	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	646841	4199580	1.11E-11	25YrCance	1.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	646941	4199580	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	647041	4199580	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	647141	4199580	9.85E-12	25YrCance	9.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	647241	4199580	9.39E-12	25YrCance	9.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	647341	4199580	8.92E-12	25YrCance	8.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	644341	4199680	4.00E-12	25YrCance	4.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	644441	4199680	4.27E-12	25YrCance	4.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	644541	4199680	4.57E-12	25YrCance	4.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	644641	4199680	4.91E-12	25YrCance	4.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	644741	4199680	5.30E-12	25YrCance	5.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	644841	4199680	5.76E-12	25YrCance	5.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	644941	4199680	6.30E-12	25YrCance	6.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	645041	4199680	6.94E-12	25YrCance	6.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	645141	4199680	7.68E-12	25YrCance	7.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	645241	4199680	8.50E-12	25YrCance	8.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	645341	4199680	9.32E-12	25YrCance	9.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	645441	4199680	1.01E-11	25YrCance	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	645541	4199680	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	645641	4199680	1.11E-11	25YrCance	1.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	645741	4199680	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

143	ALL	645841	4199680	1.19E-11	25YrCance	1.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	645941	4199680	1.24E-11	25YrCance	1.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	646041	4199680	1.30E-11	25YrCance	1.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	646141	4199680	1.35E-11	25YrCance	1.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	646241	4199680	1.38E-11	25YrCance	1.38E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	646341	4199680	1.40E-11	25YrCance	1.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	646441	4199680	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	646541	4199680	1.37E-11	25YrCance	1.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	646641	4199680	1.33E-11	25YrCance	1.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	646741	4199680	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	646841	4199680	1.24E-11	25YrCance	1.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	646941	4199680	1.19E-11	25YrCance	1.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	647041	4199680	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	647141	4199680	1.08E-11	25YrCance	1.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	647241	4199680	1.02E-11	25YrCance	1.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	647341	4199680	9.59E-12	25YrCance	9.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	644341	4199780	4.25E-12	25YrCance	4.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	644441	4199780	4.56E-12	25YrCance	4.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	644541	4199780	4.90E-12	25YrCance	4.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	644641	4199780	5.29E-12	25YrCance	5.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	644741	4199780	5.72E-12	25YrCance	5.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	644841	4199780	6.22E-12	25YrCance	6.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	644941	4199780	6.82E-12	25YrCance	6.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	645041	4199780	7.55E-12	25YrCance	7.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	645141	4199780	8.41E-12	25YrCance	8.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	645241	4199780	9.40E-12	25YrCance	9.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	645341	4199780	1.04E-11	25YrCance	1.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	645441	4199780	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	645541	4199780	1.23E-11	25YrCance	1.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	645641	4199780	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	645741	4199780	1.34E-11	25YrCance	1.34E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	645841	4199780	1.40E-11	25YrCance	1.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	645941	4199780	1.47E-11	25YrCance	1.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	646041	4199780	1.54E-11	25YrCance	1.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	646141	4199780	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	646241	4199780	1.63E-11	25YrCance	1.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	646341	4199780	1.63E-11	25YrCance	1.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	646441	4199780	1.61E-11	25YrCance	1.61E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	646541	4199780	1.58E-11	25YrCance	1.58E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	646641	4199780	1.53E-11	25YrCance	1.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	646741	4199780	1.47E-11	25YrCance	1.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	646841	4199780	1.40E-11	25YrCance	1.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	646941	4199780	1.32E-11	25YrCance	1.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	647041	4199780	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	647141	4199780	1.17E-11	25YrCance	1.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	647241	4199780	1.10E-11	25YrCance	1.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	647341	4199780	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	644341	4199880	4.52E-12	25YrCance	4.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

191	ALL	644441	4199880	4.87E-12	25YrCance	4.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	644541	4199880	5.27E-12	25YrCance	5.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	644641	4199880	5.70E-12	25YrCance	5.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	644741	4199880	6.20E-12	25YrCance	6.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	644841	4199880	6.77E-12	25YrCance	6.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	644941	4199880	7.44E-12	25YrCance	7.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	645041	4199880	8.25E-12	25YrCance	8.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	645141	4199880	9.25E-12	25YrCance	9.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	645241	4199880	1.04E-11	25YrCance	1.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	645341	4199880	1.18E-11	25YrCance	1.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	645441	4199880	1.31E-11	25YrCance	1.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	645541	4199880	1.43E-11	25YrCance	1.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	645641	4199880	1.52E-11	25YrCance	1.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	645741	4199880	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	645841	4199880	1.68E-11	25YrCance	1.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	645941	4199880	1.77E-11	25YrCance	1.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	646041	4199880	1.86E-11	25YrCance	1.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	646141	4199880	1.92E-11	25YrCance	1.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	646241	4199880	1.95E-11	25YrCance	1.95E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	646341	4199880	1.94E-11	25YrCance	1.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	646441	4199880	1.90E-11	25YrCance	1.90E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	646541	4199880	1.84E-11	25YrCance	1.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	646641	4199880	1.76E-11	25YrCance	1.76E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	646741	4199880	1.67E-11	25YrCance	1.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	646841	4199880	1.57E-11	25YrCance	1.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	646941	4199880	1.47E-11	25YrCance	1.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	647041	4199880	1.37E-11	25YrCance	1.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	647141	4199880	1.27E-11	25YrCance	1.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	647241	4199880	1.18E-11	25YrCance	1.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	647341	4199880	1.09E-11	25YrCance	1.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	644341	4199980	4.80E-12	25YrCance	4.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	644441	4199980	5.20E-12	25YrCance	5.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	644541	4199980	5.66E-12	25YrCance	5.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	644641	4199980	6.16E-12	25YrCance	6.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	644741	4199980	6.74E-12	25YrCance	6.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	644841	4199980	7.40E-12	25YrCance	7.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	644941	4199980	8.17E-12	25YrCance	8.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	645041	4199980	9.10E-12	25YrCance	9.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	645141	4199980	1.02E-11	25YrCance	1.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	645241	4199980	1.17E-11	25YrCance	1.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	645341	4199980	1.34E-11	25YrCance	1.34E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	645441	4199980	1.52E-11	25YrCance	1.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	645541	4199980	1.69E-11	25YrCance	1.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	645641	4199980	1.83E-11	25YrCance	1.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	645741	4199980	1.94E-11	25YrCance	1.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	645841	4199980	2.05E-11	25YrCance	2.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	645941	4199980	2.18E-11	25YrCance	2.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	646041	4199980	2.29E-11	25YrCance	2.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

239	ALL	646141	4199980	2.36E-11	25YrCance	2.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	646241	4199980	2.37E-11	25YrCance	2.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	646341	4199980	2.33E-11	25YrCance	2.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	646441	4199980	2.26E-11	25YrCance	2.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	646541	4199980	2.16E-11	25YrCance	2.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	646641	4199980	2.03E-11	25YrCance	2.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	646741	4199980	1.90E-11	25YrCance	1.90E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	646841	4199980	1.76E-11	25YrCance	1.76E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	646941	4199980	1.63E-11	25YrCance	1.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	647041	4199980	1.49E-11	25YrCance	1.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	647141	4199980	1.37E-11	25YrCance	1.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	647241	4199980	1.26E-11	25YrCance	1.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	647341	4199980	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	644341	4200080	5.09E-12	25YrCance	5.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	644441	4200080	5.55E-12	25YrCance	5.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	644541	4200080	6.07E-12	25YrCance	6.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	644641	4200080	6.66E-12	25YrCance	6.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	644741	4200080	7.34E-12	25YrCance	7.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	644841	4200080	8.12E-12	25YrCance	8.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	644941	4200080	9.03E-12	25YrCance	9.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	645041	4200080	1.01E-11	25YrCance	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	645141	4200080	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	645241	4200080	1.32E-11	25YrCance	1.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	645341	4200080	1.53E-11	25YrCance	1.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	645441	4200080	1.78E-11	25YrCance	1.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	645541	4200080	2.03E-11	25YrCance	2.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	645641	4200080	2.25E-11	25YrCance	2.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	645741	4200080	2.42E-11	25YrCance	2.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	645841	4200080	2.59E-11	25YrCance	2.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	645941	4200080	2.76E-11	25YrCance	2.76E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	646041	4200080	2.91E-11	25YrCance	2.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	646141	4200080	2.97E-11	25YrCance	2.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	646241	4200080	2.94E-11	25YrCance	2.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	646341	4200080	2.85E-11	25YrCance	2.85E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	646441	4200080	2.71E-11	25YrCance	2.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	646541	4200080	2.55E-11	25YrCance	2.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	646641	4200080	2.36E-11	25YrCance	2.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	646741	4200080	2.16E-11	25YrCance	2.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	646841	4200080	1.97E-11	25YrCance	1.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	646941	4200080	1.79E-11	25YrCance	1.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	647041	4200080	1.62E-11	25YrCance	1.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	647141	4200080	1.46E-11	25YrCance	1.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	647241	4200080	1.33E-11	25YrCance	1.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	647341	4200080	1.20E-11	25YrCance	1.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	644341	4200180	5.37E-12	25YrCance	5.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	644441	4200180	5.89E-12	25YrCance	5.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	644541	4200180	6.49E-12	25YrCance	6.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	644641	4200180	7.18E-12	25YrCance	7.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

287	ALL	644741	4200180	7.98E-12	25YrCance	7.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	644841	4200180	8.91E-12	25YrCance	8.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	644941	4200180	1.00E-11	25YrCance	1.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	645041	4200180	1.13E-11	25YrCance	1.13E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	645141	4200180	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	645241	4200180	1.50E-11	25YrCance	1.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	645341	4200180	1.77E-11	25YrCance	1.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	645441	4200180	2.12E-11	25YrCance	2.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	645541	4200180	2.49E-11	25YrCance	2.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	645641	4200180	2.84E-11	25YrCance	2.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	645741	4200180	3.13E-11	25YrCance	3.13E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	645841	4200180	3.39E-11	25YrCance	3.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	645941	4200180	3.63E-11	25YrCance	3.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	646041	4200180	3.81E-11	25YrCance	3.81E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	646141	4200180	3.84E-11	25YrCance	3.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	646241	4200180	3.73E-11	25YrCance	3.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	646341	4200180	3.53E-11	25YrCance	3.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	646441	4200180	3.29E-11	25YrCance	3.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	646541	4200180	3.01E-11	25YrCance	3.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	646641	4200180	2.72E-11	25YrCance	2.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	646741	4200180	2.44E-11	25YrCance	2.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	646841	4200180	2.18E-11	25YrCance	2.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	646941	4200180	1.94E-11	25YrCance	1.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	647041	4200180	1.73E-11	25YrCance	1.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	647141	4200180	1.55E-11	25YrCance	1.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	647241	4200180	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	647341	4200180	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	644341	4200280	5.65E-12	25YrCance	5.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	644441	4200280	6.23E-12	25YrCance	6.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	644541	4200280	6.91E-12	25YrCance	6.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	644641	4200280	7.70E-12	25YrCance	7.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	644741	4200280	8.64E-12	25YrCance	8.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	644841	4200280	9.76E-12	25YrCance	9.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	644941	4200280	1.11E-11	25YrCance	1.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	645041	4200280	1.28E-11	25YrCance	1.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	645141	4200280	1.48E-11	25YrCance	1.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	645241	4200280	1.74E-11	25YrCance	1.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	645341	4200280	2.08E-11	25YrCance	2.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	645441	4200280	2.56E-11	25YrCance	2.56E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	645541	4200280	3.14E-11	25YrCance	3.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	645641	4200280	3.74E-11	25YrCance	3.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	645741	4200280	4.27E-11	25YrCance	4.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	645841	4200280	4.67E-11	25YrCance	4.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	645941	4200280	5.02E-11	25YrCance	5.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	646041	4200280	5.21E-11	25YrCance	5.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	646141	4200280	5.11E-11	25YrCance	5.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	646241	4200280	4.81E-11	25YrCance	4.81E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	646341	4200280	4.44E-11	25YrCance	4.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

335	ALL	646441	4200280	4.00E-11	25YrCance	4.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	646541	4200280	3.54E-11	25YrCance	3.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	646641	4200280	3.11E-11	25YrCance	3.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	646741	4200280	2.72E-11	25YrCance	2.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	646841	4200280	2.38E-11	25YrCance	2.38E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	646941	4200280	2.08E-11	25YrCance	2.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	647041	4200280	1.83E-11	25YrCance	1.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	647141	4200280	1.62E-11	25YrCance	1.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	647241	4200280	1.44E-11	25YrCance	1.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	647341	4200280	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	644341	4200380	5.93E-12	25YrCance	5.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	644441	4200380	6.56E-12	25YrCance	6.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	644541	4200380	7.32E-12	25YrCance	7.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	644641	4200380	8.22E-12	25YrCance	8.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	644741	4200380	9.31E-12	25YrCance	9.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	644841	4200380	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	644941	4200380	1.23E-11	25YrCance	1.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	645041	4200380	1.43E-11	25YrCance	1.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	645141	4200380	1.70E-11	25YrCance	1.70E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	645241	4200380	2.04E-11	25YrCance	2.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	645341	4200380	2.50E-11	25YrCance	2.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	645441	4200380	3.19E-11	25YrCance	3.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	645541	4200380	4.13E-11	25YrCance	4.13E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	645641	4200380	5.23E-11	25YrCance	5.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	645741	4200380	6.28E-11	25YrCance	6.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	645841	4200380	6.94E-11	25YrCance	6.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	645941	4200380	7.37E-11	25YrCance	7.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	646041	4200380	7.44E-11	25YrCance	7.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	646141	4200380	7.01E-11	25YrCance	7.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	646241	4200380	6.34E-11	25YrCance	6.34E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	646341	4200380	5.59E-11	25YrCance	5.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	646441	4200380	4.83E-11	25YrCance	4.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	646541	4200380	4.12E-11	25YrCance	4.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	646641	4200380	3.51E-11	25YrCance	3.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	646741	4200380	2.98E-11	25YrCance	2.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	646841	4200380	2.55E-11	25YrCance	2.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	646941	4200380	2.20E-11	25YrCance	2.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	647041	4200380	1.91E-11	25YrCance	1.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	647141	4200380	1.67E-11	25YrCance	1.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	647241	4200380	1.48E-11	25YrCance	1.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	647341	4200380	1.32E-11	25YrCance	1.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	644341	4200480	6.23E-12	25YrCance	6.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	644441	4200480	6.92E-12	25YrCance	6.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	644541	4200480	7.76E-12	25YrCance	7.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	644641	4200480	8.76E-12	25YrCance	8.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	644741	4200480	1.00E-11	25YrCance	1.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	644841	4200480	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	644941	4200480	1.35E-11	25YrCance	1.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

383	ALL	645041	4200480	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	645141	4200480	1.94E-11	25YrCance	1.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	645241	4200480	2.41E-11	25YrCance	2.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	645341	4200480	3.08E-11	25YrCance	3.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	645441	4200480	4.10E-11	25YrCance	4.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	645541	4200480	5.86E-11	25YrCance	5.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	645641	4200480	8.35E-11	25YrCance	8.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	645741	4200480	1.07E-10	25YrCance	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	645841	4200480	1.15E-10	25YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	645941	4200480	1.18E-10	25YrCance	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	646041	4200480	1.13E-10	25YrCance	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	646141	4200480	9.97E-11	25YrCance	9.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	646241	4200480	8.42E-11	25YrCance	8.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	646341	4200480	7.00E-11	25YrCance	7.00E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	646441	4200480	5.77E-11	25YrCance	5.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	646541	4200480	4.73E-11	25YrCance	4.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	646641	4200480	3.88E-11	25YrCance	3.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	646741	4200480	3.21E-11	25YrCance	3.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	646841	4200480	2.69E-11	25YrCance	2.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	646941	4200480	2.28E-11	25YrCance	2.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	647041	4200480	1.96E-11	25YrCance	1.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	647141	4200480	1.71E-11	25YrCance	1.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	647241	4200480	1.50E-11	25YrCance	1.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	647341	4200480	1.33E-11	25YrCance	1.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	644341	4200580	6.57E-12	25YrCance	6.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	644441	4200580	7.32E-12	25YrCance	7.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	644541	4200580	8.23E-12	25YrCance	8.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	644641	4200580	9.35E-12	25YrCance	9.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	644741	4200580	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	644841	4200580	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	644941	4200580	1.47E-11	25YrCance	1.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	645041	4200580	1.78E-11	25YrCance	1.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	645141	4200580	2.20E-11	25YrCance	2.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	645241	4200580	2.80E-11	25YrCance	2.80E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	645341	4200580	3.77E-11	25YrCance	3.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	645441	4200580	5.47E-11	25YrCance	5.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	645541	4200580	9.59E-11	25YrCance	9.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	645641	4200580	2.13E-10	25YrCance	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	645741	4200580	2.37E-10	25YrCance	2.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	645841	4200580	2.18E-10	25YrCance	2.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	645941	4200580	2.14E-10	25YrCance	2.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	646041	4200580	1.83E-10	25YrCance	1.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	646141	4200580	1.42E-10	25YrCance	1.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	646241	4200580	1.10E-10	25YrCance	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	646341	4200580	8.74E-11	25YrCance	8.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	646441	4200580	6.83E-11	25YrCance	6.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	646541	4200580	5.31E-11	25YrCance	5.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	646641	4200580	4.18E-11	25YrCance	4.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

431	ALL	646741	4200580	3.36E-11	25YrCance	3.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	646841	4200580	2.77E-11	25YrCance	2.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	646941	4200580	2.33E-11	25YrCance	2.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	647041	4200580	1.99E-11	25YrCance	1.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	647141	4200580	1.72E-11	25YrCance	1.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	647241	4200580	1.51E-11	25YrCance	1.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	647341	4200580	1.33E-11	25YrCance	1.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	644341	4200680	6.92E-12	25YrCance	6.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	644441	4200680	7.74E-12	25YrCance	7.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	644541	4200680	8.74E-12	25YrCance	8.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	644641	4200680	9.96E-12	25YrCance	9.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	644741	4200680	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	644841	4200680	1.35E-11	25YrCance	1.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	644941	4200680	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	645041	4200680	1.96E-11	25YrCance	1.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	645141	4200680	2.46E-11	25YrCance	2.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	645241	4200680	3.22E-11	25YrCance	3.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	645341	4200680	4.48E-11	25YrCance	4.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	645441	4200680	7.10E-11	25YrCance	7.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	645541	4200680	1.60E-10	25YrCance	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	645641	4200680	5.86E-10	25YrCance	5.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	645741	4200680	6.90E-10	25YrCance	6.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	645841	4200680	5.29E-10	25YrCance	5.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	645941	4200680	4.91E-10	25YrCance	4.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	646041	4200680	2.91E-10	25YrCance	2.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	646141	4200680	1.93E-10	25YrCance	1.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	646241	4200680	1.50E-10	25YrCance	1.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	646341	4200680	1.15E-10	25YrCance	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	646441	4200680	7.94E-11	25YrCance	7.94E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	646541	4200680	5.68E-11	25YrCance	5.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	646641	4200680	4.30E-11	25YrCance	4.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	646741	4200680	3.40E-11	25YrCance	3.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	646841	4200680	2.78E-11	25YrCance	2.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	646941	4200680	2.32E-11	25YrCance	2.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	647041	4200680	1.98E-11	25YrCance	1.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	647141	4200680	1.71E-11	25YrCance	1.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	647241	4200680	1.49E-11	25YrCance	1.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	647341	4200680	1.32E-11	25YrCance	1.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	644341	4200780	7.23E-12	25YrCance	7.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	644441	4200780	8.11E-12	25YrCance	8.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	644541	4200780	9.18E-12	25YrCance	9.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	644641	4200780	1.05E-11	25YrCance	1.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	644741	4200780	1.22E-11	25YrCance	1.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	644841	4200780	1.43E-11	25YrCance	1.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	644941	4200780	1.72E-11	25YrCance	1.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	645041	4200780	2.11E-11	25YrCance	2.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	645141	4200780	2.67E-11	25YrCance	2.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	645241	4200780	3.53E-11	25YrCance	3.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

479	ALL	645341	4200780	4.95E-11	25YrCance	4.95E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	645441	4200780	7.70E-11	25YrCance	7.70E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	645541	4200780	1.40E-10	25YrCance	1.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	645641	4200780	3.18E-10	25YrCance	3.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	645741	4200780	7.78E-10	25YrCance	7.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	646041	4200780	3.59E-10	25YrCance	3.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	646141	4200780	3.05E-10	25YrCance	3.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	646241	4200780	3.85E-10	25YrCance	3.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	646341	4200780	1.54E-10	25YrCance	1.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	646441	4200780	8.23E-11	25YrCance	8.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	646541	4200780	5.60E-11	25YrCance	5.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	646641	4200780	4.19E-11	25YrCance	4.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	646741	4200780	3.31E-11	25YrCance	3.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	646841	4200780	2.70E-11	25YrCance	2.70E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	646941	4200780	2.26E-11	25YrCance	2.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	647041	4200780	1.92E-11	25YrCance	1.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	647141	4200780	1.66E-11	25YrCance	1.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	647241	4200780	1.46E-11	25YrCance	1.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	647341	4200780	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	644341	4200880	7.44E-12	25YrCance	7.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	644441	4200880	8.35E-12	25YrCance	8.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	644541	4200880	9.46E-12	25YrCance	9.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	644641	4200880	1.08E-11	25YrCance	1.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	644741	4200880	1.26E-11	25YrCance	1.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	644841	4200880	1.48E-11	25YrCance	1.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	644941	4200880	1.77E-11	25YrCance	1.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	645041	4200880	2.17E-11	25YrCance	2.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	645141	4200880	2.75E-11	25YrCance	2.75E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	645241	4200880	3.60E-11	25YrCance	3.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	645341	4200880	4.97E-11	25YrCance	4.97E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	645441	4200880	7.31E-11	25YrCance	7.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	645541	4200880	1.14E-10	25YrCance	1.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	645641	4200880	1.96E-10	25YrCance	1.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	645741	4200880	4.41E-10	25YrCance	4.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	645841	4200880	7.25E-10	25YrCance	7.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	645941	4200880	4.44E-10	25YrCance	4.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	646041	4200880	6.11E-10	25YrCance	6.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	646141	4200880	4.01E-10	25YrCance	4.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	646241	4200880	2.15E-10	25YrCance	2.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	646341	4200880	1.06E-10	25YrCance	1.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	646441	4200880	6.83E-11	25YrCance	6.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	646541	4200880	4.93E-11	25YrCance	4.93E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	646641	4200880	3.79E-11	25YrCance	3.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	646741	4200880	3.04E-11	25YrCance	3.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	646841	4200880	2.51E-11	25YrCance	2.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	646941	4200880	2.12E-11	25YrCance	2.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	647041	4200880	1.82E-11	25YrCance	1.82E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	647141	4200880	1.58E-11	25YrCance	1.58E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	647241	4200880	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	647341	4200880	1.24E-11	25YrCance	1.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	644341	4200980	7.52E-12	25YrCance	7.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	644441	4200980	8.44E-12	25YrCance	8.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	644541	4200980	9.55E-12	25YrCance	9.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	644641	4200980	1.09E-11	25YrCance	1.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	644741	4200980	1.26E-11	25YrCance	1.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	644841	4200980	1.48E-11	25YrCance	1.48E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	644941	4200980	1.77E-11	25YrCance	1.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	645041	4200980	2.15E-11	25YrCance	2.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	645141	4200980	2.68E-11	25YrCance	2.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	645241	4200980	3.44E-11	25YrCance	3.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	645341	4200980	4.58E-11	25YrCance	4.58E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	645441	4200980	6.28E-11	25YrCance	6.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	645541	4200980	8.90E-11	25YrCance	8.90E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	645641	4200980	1.30E-10	25YrCance	1.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	645741	4200980	1.85E-10	25YrCance	1.85E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	645841	4200980	2.30E-10	25YrCance	2.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	645941	4200980	2.57E-10	25YrCance	2.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	646041	4200980	1.78E-10	25YrCance	1.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	646141	4200980	1.24E-10	25YrCance	1.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	646241	4200980	8.73E-11	25YrCance	8.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	646341	4200980	6.39E-11	25YrCance	6.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	646441	4200980	4.88E-11	25YrCance	4.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	646541	4200980	3.86E-11	25YrCance	3.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	646641	4200980	3.14E-11	25YrCance	3.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	646741	4200980	2.61E-11	25YrCance	2.61E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	646841	4200980	2.21E-11	25YrCance	2.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	646941	4200980	1.90E-11	25YrCance	1.90E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	647041	4200980	1.66E-11	25YrCance	1.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	647141	4200980	1.46E-11	25YrCance	1.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	647241	4200980	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	647341	4200980	1.16E-11	25YrCance	1.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	644341	4201080	7.49E-12	25YrCance	7.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	644441	4201080	8.38E-12	25YrCance	8.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	644541	4201080	9.46E-12	25YrCance	9.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	644641	4201080	1.08E-11	25YrCance	1.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	644741	4201080	1.24E-11	25YrCance	1.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	644841	4201080	1.45E-11	25YrCance	1.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	644941	4201080	1.71E-11	25YrCance	1.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	645041	4201080	2.05E-11	25YrCance	2.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	645141	4201080	2.52E-11	25YrCance	2.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	645241	4201080	3.14E-11	25YrCance	3.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	645341	4201080	3.99E-11	25YrCance	3.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	645441	4201080	5.14E-11	25YrCance	5.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	645541	4201080	6.64E-11	25YrCance	6.64E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	645641	4201080	8.30E-11	25YrCance	8.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	645741	4201080	9.21E-11	25YrCance	9.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

575	ALL	645841	4201080	9.49E-11	25YrCance	9.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	645941	4201080	8.92E-11	25YrCance	8.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	646041	4201080	7.41E-11	25YrCance	7.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	646141	4201080	6.16E-11	25YrCance	6.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	646241	4201080	5.01E-11	25YrCance	5.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	646341	4201080	4.12E-11	25YrCance	4.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	646441	4201080	3.42E-11	25YrCance	3.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	646541	4201080	2.89E-11	25YrCance	2.89E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	646641	4201080	2.47E-11	25YrCance	2.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	646741	4201080	2.14E-11	25YrCance	2.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	646841	4201080	1.87E-11	25YrCance	1.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	646941	4201080	1.64E-11	25YrCance	1.64E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	647041	4201080	1.46E-11	25YrCance	1.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	647141	4201080	1.30E-11	25YrCance	1.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	647241	4201080	1.17E-11	25YrCance	1.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	647341	4201080	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	644341	4201180	7.37E-12	25YrCance	7.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	644441	4201180	8.23E-12	25YrCance	8.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	644541	4201180	9.25E-12	25YrCance	9.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	644641	4201180	1.05E-11	25YrCance	1.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	644741	4201180	1.20E-11	25YrCance	1.20E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	644841	4201180	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	644941	4201180	1.62E-11	25YrCance	1.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	645041	4201180	1.92E-11	25YrCance	1.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	645141	4201180	2.30E-11	25YrCance	2.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	645241	4201180	2.79E-11	25YrCance	2.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	645341	4201180	3.40E-11	25YrCance	3.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	645441	4201180	4.11E-11	25YrCance	4.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	645541	4201180	4.85E-11	25YrCance	4.85E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	645641	4201180	5.40E-11	25YrCance	5.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	645741	4201180	5.53E-11	25YrCance	5.53E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	645841	4201180	5.39E-11	25YrCance	5.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	645941	4201180	5.07E-11	25YrCance	5.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	646041	4201180	4.50E-11	25YrCance	4.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	646141	4201180	3.88E-11	25YrCance	3.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	646241	4201180	3.33E-11	25YrCance	3.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	646341	4201180	2.87E-11	25YrCance	2.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	646441	4201180	2.49E-11	25YrCance	2.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	646541	4201180	2.18E-11	25YrCance	2.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	646641	4201180	1.93E-11	25YrCance	1.93E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	646741	4201180	1.72E-11	25YrCance	1.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	646841	4201180	1.54E-11	25YrCance	1.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	646941	4201180	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	647041	4201180	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	647141	4201180	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	647241	4201180	1.04E-11	25YrCance	1.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	647341	4201180	9.50E-12	25YrCance	9.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	644341	4201280	7.20E-12	25YrCance	7.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

623	ALL	644441	4201280	8.01E-12	25YrCance	8.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	644541	4201280	8.96E-12	25YrCance	8.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	644641	4201280	1.01E-11	25YrCance	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	644741	4201280	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	644841	4201280	1.31E-11	25YrCance	1.31E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	644941	4201280	1.52E-11	25YrCance	1.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	645041	4201280	1.77E-11	25YrCance	1.77E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	645141	4201280	2.07E-11	25YrCance	2.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	645241	4201280	2.43E-11	25YrCance	2.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	645341	4201280	2.84E-11	25YrCance	2.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	645441	4201280	3.24E-11	25YrCance	3.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	645541	4201280	3.57E-11	25YrCance	3.57E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	645641	4201280	3.71E-11	25YrCance	3.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	645741	4201280	3.68E-11	25YrCance	3.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	645841	4201280	3.56E-11	25YrCance	3.56E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	645941	4201280	3.36E-11	25YrCance	3.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	646041	4201280	3.05E-11	25YrCance	3.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	646141	4201280	2.73E-11	25YrCance	2.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	646241	4201280	2.42E-11	25YrCance	2.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	646341	4201280	2.15E-11	25YrCance	2.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	646441	4201280	1.91E-11	25YrCance	1.91E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	646541	4201280	1.71E-11	25YrCance	1.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	646641	4201280	1.54E-11	25YrCance	1.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	646741	4201280	1.39E-11	25YrCance	1.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	646841	4201280	1.27E-11	25YrCance	1.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	646941	4201280	1.16E-11	25YrCance	1.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	647041	4201280	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	647141	4201280	9.82E-12	25YrCance	9.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	647241	4201280	9.07E-12	25YrCance	9.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	647341	4201280	8.40E-12	25YrCance	8.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	644341	4201380	7.00E-12	25YrCance	7.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	644441	4201380	7.75E-12	25YrCance	7.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	644541	4201380	8.62E-12	25YrCance	8.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	644641	4201380	9.66E-12	25YrCance	9.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	644741	4201380	1.09E-11	25YrCance	1.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	644841	4201380	1.23E-11	25YrCance	1.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	644941	4201380	1.41E-11	25YrCance	1.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	645041	4201380	1.61E-11	25YrCance	1.61E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	645141	4201380	1.84E-11	25YrCance	1.84E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	645241	4201380	2.10E-11	25YrCance	2.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	645341	4201380	2.35E-11	25YrCance	2.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	645441	4201380	2.55E-11	25YrCance	2.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	645541	4201380	2.68E-11	25YrCance	2.68E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	645641	4201380	2.69E-11	25YrCance	2.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	645741	4201380	2.63E-11	25YrCance	2.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	645841	4201380	2.54E-11	25YrCance	2.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	645941	4201380	2.41E-11	25YrCance	2.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	646041	4201380	2.24E-11	25YrCance	2.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

671	ALL	646141	4201380	2.05E-11	25YrCance	2.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	646241	4201380	1.87E-11	25YrCance	1.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	646341	4201380	1.69E-11	25YrCance	1.69E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	646441	4201380	1.52E-11	25YrCance	1.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	646541	4201380	1.38E-11	25YrCance	1.38E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	646641	4201380	1.26E-11	25YrCance	1.26E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	646741	4201380	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	646841	4201380	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	646941	4201380	9.81E-12	25YrCance	9.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	647041	4201380	9.10E-12	25YrCance	9.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	647141	4201380	8.47E-12	25YrCance	8.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	647241	4201380	7.90E-12	25YrCance	7.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	647341	4201380	7.38E-12	25YrCance	7.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	644341	4201480	6.76E-12	25YrCance	6.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	644441	4201480	7.45E-12	25YrCance	7.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	644541	4201480	8.25E-12	25YrCance	8.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	644641	4201480	9.18E-12	25YrCance	9.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	644741	4201480	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	644841	4201480	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	644941	4201480	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	645041	4201480	1.45E-11	25YrCance	1.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	645141	4201480	1.62E-11	25YrCance	1.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	645241	4201480	1.79E-11	25YrCance	1.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	645341	4201480	1.93E-11	25YrCance	1.93E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	645441	4201480	2.03E-11	25YrCance	2.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	645541	4201480	2.06E-11	25YrCance	2.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	645641	4201480	2.04E-11	25YrCance	2.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	645741	4201480	1.98E-11	25YrCance	1.98E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	645841	4201480	1.92E-11	25YrCance	1.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	645941	4201480	1.83E-11	25YrCance	1.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	646041	4201480	1.73E-11	25YrCance	1.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	646141	4201480	1.61E-11	25YrCance	1.61E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	646241	4201480	1.49E-11	25YrCance	1.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	646341	4201480	1.37E-11	25YrCance	1.37E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	646441	4201480	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	646541	4201480	1.15E-11	25YrCance	1.15E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	646641	4201480	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	646741	4201480	9.78E-12	25YrCance	9.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	646841	4201480	9.06E-12	25YrCance	9.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	646941	4201480	8.42E-12	25YrCance	8.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	647041	4201480	7.87E-12	25YrCance	7.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	647141	4201480	7.37E-12	25YrCance	7.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	647241	4201480	6.92E-12	25YrCance	6.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	647341	4201480	6.51E-12	25YrCance	6.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	644341	4201580	6.51E-12	25YrCance	6.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	644441	4201580	7.14E-12	25YrCance	7.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	644541	4201580	7.86E-12	25YrCance	7.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	644641	4201580	8.69E-12	25YrCance	8.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

719	ALL	644741	4201580	9.62E-12	25YrCance	9.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	644841	4201580	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	644941	4201580	1.18E-11	25YrCance	1.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	645041	4201580	1.30E-11	25YrCance	1.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	645141	4201580	1.42E-11	25YrCance	1.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	645241	4201580	1.52E-11	25YrCance	1.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	645341	4201580	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	645441	4201580	1.63E-11	25YrCance	1.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	645541	4201580	1.63E-11	25YrCance	1.63E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	645641	4201580	1.60E-11	25YrCance	1.60E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	645741	4201580	1.55E-11	25YrCance	1.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	645841	4201580	1.50E-11	25YrCance	1.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	645941	4201580	1.45E-11	25YrCance	1.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	646041	4201580	1.38E-11	25YrCance	1.38E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	646141	4201580	1.30E-11	25YrCance	1.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	646241	4201580	1.22E-11	25YrCance	1.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	646341	4201580	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	646441	4201580	1.05E-11	25YrCance	1.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	646541	4201580	9.76E-12	25YrCance	9.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	646641	4201580	9.07E-12	25YrCance	9.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	646741	4201580	8.43E-12	25YrCance	8.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	646841	4201580	7.86E-12	25YrCance	7.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	646941	4201580	7.35E-12	25YrCance	7.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	647041	4201580	6.90E-12	25YrCance	6.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	647141	4201580	6.49E-12	25YrCance	6.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	647241	4201580	6.11E-12	25YrCance	6.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	647341	4201580	5.78E-12	25YrCance	5.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	644341	4201680	6.25E-12	25YrCance	6.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	644441	4201680	6.82E-12	25YrCance	6.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	644541	4201680	7.47E-12	25YrCance	7.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	644641	4201680	8.19E-12	25YrCance	8.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	644741	4201680	8.98E-12	25YrCance	8.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	644841	4201680	9.83E-12	25YrCance	9.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	644941	4201680	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	645041	4201680	1.16E-11	25YrCance	1.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	645141	4201680	1.23E-11	25YrCance	1.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	645241	4201680	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	645341	4201680	1.33E-11	25YrCance	1.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	645441	4201680	1.34E-11	25YrCance	1.34E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	645541	4201680	1.32E-11	25YrCance	1.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	645641	4201680	1.29E-11	25YrCance	1.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	645741	4201680	1.25E-11	25YrCance	1.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	645841	4201680	1.22E-11	25YrCance	1.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	645941	4201680	1.18E-11	25YrCance	1.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	646041	4201680	1.14E-11	25YrCance	1.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	646141	4201680	1.08E-11	25YrCance	1.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	646241	4201680	1.02E-11	25YrCance	1.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	646341	4201680	9.59E-12	25YrCance	9.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

767	ALL	646441	4201680	8.99E-12	25YrCance	8.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	646541	4201680	8.41E-12	25YrCance	8.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	646641	4201680	7.87E-12	25YrCance	7.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	646741	4201680	7.38E-12	25YrCance	7.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	646841	4201680	6.92E-12	25YrCance	6.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	646941	4201680	6.50E-12	25YrCance	6.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	647041	4201680	6.11E-12	25YrCance	6.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	647141	4201680	5.77E-12	25YrCance	5.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	647241	4201680	5.46E-12	25YrCance	5.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	647341	4201680	5.17E-12	25YrCance	5.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	644341	4201780	5.99E-12	25YrCance	5.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	644441	4201780	6.50E-12	25YrCance	6.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	644541	4201780	7.07E-12	25YrCance	7.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	644641	4201780	7.69E-12	25YrCance	7.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	644741	4201780	8.34E-12	25YrCance	8.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	644841	4201780	9.00E-12	25YrCance	9.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	644941	4201780	9.65E-12	25YrCance	9.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	645041	4201780	1.02E-11	25YrCance	1.02E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	645141	4201780	1.07E-11	25YrCance	1.07E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	645241	4201780	1.10E-11	25YrCance	1.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	645341	4201780	1.12E-11	25YrCance	1.12E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	645441	4201780	1.11E-11	25YrCance	1.11E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	645541	4201780	1.09E-11	25YrCance	1.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	645641	4201780	1.06E-11	25YrCance	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	645741	4201780	1.03E-11	25YrCance	1.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	645841	4201780	1.01E-11	25YrCance	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	645941	4201780	9.84E-12	25YrCance	9.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	646041	4201780	9.51E-12	25YrCance	9.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	646141	4201780	9.12E-12	25YrCance	9.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	646241	4201780	8.69E-12	25YrCance	8.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	646341	4201780	8.24E-12	25YrCance	8.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	646441	4201780	7.78E-12	25YrCance	7.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	646541	4201780	7.34E-12	25YrCance	7.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	646641	4201780	6.91E-12	25YrCance	6.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	646741	4201780	6.51E-12	25YrCance	6.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	646841	4201780	6.14E-12	25YrCance	6.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	646941	4201780	5.80E-12	25YrCance	5.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	647041	4201780	5.48E-12	25YrCance	5.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	647141	4201780	5.18E-12	25YrCance	5.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	647241	4201780	4.92E-12	25YrCance	4.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	647341	4201780	4.67E-12	25YrCance	4.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	644341	4201880	5.72E-12	25YrCance	5.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	644441	4201880	6.18E-12	25YrCance	6.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	644541	4201880	6.67E-12	25YrCance	6.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	644641	4201880	7.18E-12	25YrCance	7.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	644741	4201880	7.70E-12	25YrCance	7.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	644841	4201880	8.20E-12	25YrCance	8.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	644941	4201880	8.66E-12	25YrCance	8.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

815	ALL	645041	4201880	9.04E-12	25YrCance	9.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	645141	4201880	9.31E-12	25YrCance	9.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	645241	4201880	9.46E-12	25YrCance	9.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	645341	4201880	9.46E-12	25YrCance	9.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	645441	4201880	9.36E-12	25YrCance	9.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	645541	4201880	9.14E-12	25YrCance	9.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	645641	4201880	8.93E-12	25YrCance	8.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	645741	4201880	8.73E-12	25YrCance	8.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	645841	4201880	8.55E-12	25YrCance	8.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	645941	4201880	8.36E-12	25YrCance	8.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	646041	4201880	8.12E-12	25YrCance	8.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	646141	4201880	7.82E-12	25YrCance	7.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	646241	4201880	7.49E-12	25YrCance	7.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	646341	4201880	7.16E-12	25YrCance	7.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	646441	4201880	6.80E-12	25YrCance	6.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	646541	4201880	6.47E-12	25YrCance	6.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	646641	4201880	6.12E-12	25YrCance	6.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	646741	4201880	5.80E-12	25YrCance	5.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	646841	4201880	5.50E-12	25YrCance	5.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	646941	4201880	5.21E-12	25YrCance	5.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	647041	4201880	4.95E-12	25YrCance	4.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	647141	4201880	4.70E-12	25YrCance	4.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	647241	4201880	4.47E-12	25YrCance	4.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	647341	4201880	4.25E-12	25YrCance	4.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	644341	4201980	5.46E-12	25YrCance	5.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	644441	4201980	5.85E-12	25YrCance	5.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	644541	4201980	6.26E-12	25YrCance	6.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	644641	4201980	6.67E-12	25YrCance	6.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	644741	4201980	7.07E-12	25YrCance	7.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	644841	4201980	7.43E-12	25YrCance	7.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	644941	4201980	7.75E-12	25YrCance	7.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	645041	4201980	7.98E-12	25YrCance	7.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	645141	4201980	8.14E-12	25YrCance	8.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	645241	4201980	8.17E-12	25YrCance	8.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	645341	4201980	8.12E-12	25YrCance	8.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	645441	4201980	7.99E-12	25YrCance	7.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	645541	4201980	7.81E-12	25YrCance	7.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	645641	4201980	7.64E-12	25YrCance	7.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	645741	4201980	7.47E-12	25YrCance	7.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	645841	4201980	7.34E-12	25YrCance	7.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	645941	4201980	7.21E-12	25YrCance	7.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	646041	4201980	7.02E-12	25YrCance	7.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	646141	4201980	6.81E-12	25YrCance	6.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	646241	4201980	6.55E-12	25YrCance	6.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	646341	4201980	6.28E-12	25YrCance	6.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	646441	4201980	6.01E-12	25YrCance	6.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	646541	4201980	5.74E-12	25YrCance	5.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	646641	4201980	5.47E-12	25YrCance	5.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

863	ALL	646741	4201980	5.21E-12	25YrCance	5.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	646841	4201980	4.96E-12	25YrCance	4.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	646941	4201980	4.72E-12	25YrCance	4.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	647041	4201980	4.50E-12	25YrCance	4.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	647141	4201980	4.29E-12	25YrCance	4.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	647241	4201980	4.09E-12	25YrCance	4.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	647341	4201980	3.90E-12	25YrCance	3.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	644341	4202080	5.19E-12	25YrCance	5.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	644441	4202080	5.52E-12	25YrCance	5.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	644541	4202080	5.85E-12	25YrCance	5.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	644641	4202080	6.17E-12	25YrCance	6.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	644741	4202080	6.47E-12	25YrCance	6.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	644841	4202080	6.73E-12	25YrCance	6.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	644941	4202080	6.93E-12	25YrCance	6.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	645041	4202080	7.06E-12	25YrCance	7.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	645141	4202080	7.13E-12	25YrCance	7.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	645241	4202080	7.12E-12	25YrCance	7.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	645341	4202080	7.04E-12	25YrCance	7.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	645441	4202080	6.92E-12	25YrCance	6.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	645541	4202080	6.74E-12	25YrCance	6.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	645641	4202080	6.60E-12	25YrCance	6.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	645741	4202080	6.48E-12	25YrCance	6.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	645841	4202080	6.39E-12	25YrCance	6.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	645941	4202080	6.30E-12	25YrCance	6.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	646041	4202080	6.15E-12	25YrCance	6.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	646141	4202080	5.98E-12	25YrCance	5.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	646241	4202080	5.78E-12	25YrCance	5.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	646341	4202080	5.57E-12	25YrCance	5.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	646441	4202080	5.35E-12	25YrCance	5.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	646541	4202080	5.12E-12	25YrCance	5.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	646641	4202080	4.91E-12	25YrCance	4.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	646741	4202080	4.70E-12	25YrCance	4.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	646841	4202080	4.49E-12	25YrCance	4.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	646941	4202080	4.29E-12	25YrCance	4.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	647041	4202080	4.10E-12	25YrCance	4.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	647141	4202080	3.92E-12	25YrCance	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	647241	4202080	3.76E-12	25YrCance	3.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	647341	4202080	3.59E-12	25YrCance	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	644341	4202180	4.91E-12	25YrCance	4.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	644441	4202180	5.19E-12	25YrCance	5.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	644541	4202180	5.45E-12	25YrCance	5.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	644641	4202180	5.69E-12	25YrCance	5.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	644741	4202180	5.90E-12	25YrCance	5.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	644841	4202180	6.08E-12	25YrCance	6.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	644941	4202180	6.20E-12	25YrCance	6.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	645041	4202180	6.28E-12	25YrCance	6.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	645141	4202180	6.30E-12	25YrCance	6.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	645241	4202180	6.26E-12	25YrCance	6.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

911	ALL	645341	4202180	6.15E-12	25YrCance	6.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	645441	4202180	6.03E-12	25YrCance	6.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	645541	4202180	5.88E-12	25YrCance	5.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	645641	4202180	5.77E-12	25YrCance	5.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	645741	4202180	5.70E-12	25YrCance	5.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	645841	4202180	5.62E-12	25YrCance	5.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	645941	4202180	5.54E-12	25YrCance	5.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	646041	4202180	5.44E-12	25YrCance	5.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	646141	4202180	5.31E-12	25YrCance	5.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	646241	4202180	5.15E-12	25YrCance	5.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	646341	4202180	4.99E-12	25YrCance	4.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	646441	4202180	4.81E-12	25YrCance	4.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	646541	4202180	4.63E-12	25YrCance	4.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	646641	4202180	4.44E-12	25YrCance	4.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	646741	4202180	4.25E-12	25YrCance	4.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	646841	4202180	4.08E-12	25YrCance	4.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	646941	4202180	3.92E-12	25YrCance	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	647041	4202180	3.76E-12	25YrCance	3.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	647141	4202180	3.61E-12	25YrCance	3.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	647241	4202180	3.46E-12	25YrCance	3.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	647341	4202180	3.32E-12	25YrCance	3.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	644341	4202280	4.63E-12	25YrCance	4.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	644441	4202280	4.85E-12	25YrCance	4.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	644541	4202280	5.05E-12	25YrCance	5.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	644641	4202280	5.23E-12	25YrCance	5.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	644741	4202280	5.38E-12	25YrCance	5.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	644841	4202280	5.50E-12	25YrCance	5.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	644941	4202280	5.58E-12	25YrCance	5.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	645041	4202280	5.61E-12	25YrCance	5.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	645141	4202280	5.59E-12	25YrCance	5.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	645241	4202280	5.51E-12	25YrCance	5.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	645341	4202280	5.41E-12	25YrCance	5.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	645441	4202280	5.30E-12	25YrCance	5.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	645541	4202280	5.19E-12	25YrCance	5.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	645641	4202280	5.10E-12	25YrCance	5.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	645741	4202280	5.04E-12	25YrCance	5.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	645841	4202280	4.98E-12	25YrCance	4.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	645941	4202280	4.91E-12	25YrCance	4.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	646041	4202280	4.84E-12	25YrCance	4.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	646141	4202280	4.75E-12	25YrCance	4.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	646241	4202280	4.64E-12	25YrCance	4.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	646341	4202280	4.50E-12	25YrCance	4.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	646441	4202280	4.35E-12	25YrCance	4.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	646541	4202280	4.19E-12	25YrCance	4.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	646641	4202280	4.04E-12	25YrCance	4.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	646741	4202280	3.88E-12	25YrCance	3.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	646841	4202280	3.74E-12	25YrCance	3.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	646941	4202280	3.60E-12	25YrCance	3.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

959	ALL	647041	4202280	3.46E-12	25YrCance	3.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	647141	4202280	3.33E-12	25YrCance	3.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	647241	4202280	3.20E-12	25YrCance	3.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	647341	4202280	3.08E-12	25YrCance	3.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	645946	4200732	7.37E-10	25YrCance	7.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	645933.7	4200897	4.73E-10	25YrCance	4.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	645889.9	4200890	5.35E-10	25YrCance	5.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	645847.2	4200866	7.01E-10	25YrCance	7.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	645698	4200718	5.89E-10	25YrCance	5.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	645704.7	4200712	5.93E-10	25YrCance	5.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Appendix C
California Natural Diversity Database List

Appendix C
Listed Species with Potential to Occur in the Action Area

Species	Federal	State	Habitat Association	Potential to Occur
Plants[1]				
Large-flowered Fiddleneck (*Amsinckia grandiflora*)	E	E	Native perennial bunch grass communities	Very low potential to occur. Habitat not present.
Alkali milk-vetch (*Astragalus tener var. tener*)	--	1B.2	Alkali flats, annual grassland, vernal pool	Very low potential to occur due to disturbance.
Heartscale (*Atriplex cordulata var. cordulata*)	--	1B.2	Chenopod scrub, grassland, meadow, seeps	No potential to occur. Habitat not present.
Big tarplant (*Blepharizonia plumosa*)	--	1B.1	Valley and foothill grassland	Very low potential to occur. Habitat not present.
Watershield (*Brasenia schreberi*)	--	2B.3	Fresh water marshes and swamps	Very low potential to occur. Potential habitat adjacent to project area.
Bristly sedge (*Carex comosa*)	--	2B.1	Marsh, swamp, coastal prairie, grassland	Very low potential to occur. Habitat not present.
Palmate-bracted bird's-beak (*Chloropyron palmatum*)	E	E, 1B.1	Chenopod scrub, grassland	Very low potential to occur. Potential habitat adjacent to project area.
Slough thistle (*Cirsium crassicaule*)	--	1B.1	Chenopod scrub, marshes and swamps, riparian scrub	Very low potential to occur. Potential habitat adjacent to project area.
Recurved larkspur (*Delphinium recurvatum*)	--	1B.2	Chenopod scrub, grassland, cismontane woodland	Very low potential to occur. Potential habitat adjacent to project area.
Delta button-celery (*Eryngium racemosum*)	--	E, 1B.1	Riparian scrub	No potential to occur. Habitat not present.
San Joaquin spearscale (*Extriplex joaquinana*)	--	1B.2	Chenopod scrub, alkali meadow, playas, grassland	Very low potential to occur. Potential habitat adjacent to project area.
Woolly rose-mallow (*Hibiscus lasiocarpos var. occidentalis*)	--	1B.2	Freshwater marsh and swamp, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Delta tule pea (*Lathyrus jepsonii var. jepsonii*)	--	1B.2	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
Mason's lilaeopsis (*Lilaeopsis masonii*)	--	R, 1B.1	Freshwater marsh, riparian scrub, wetland	Very low potential to occur. Potential habitat adjacent to project area.

Species	Federal	State	Habitat Association	Potential to Occur
Delta mudwort (*Limosella australis*)	--	2B.1	Marsh, swamp, riparian scrub, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Sanford's arrowhead (*Sagittaria sanfordii*)	--	1B.2	Marshes and swamps	Very low potential to occur. Habitat not present.
Side-flowering skullcap (*Scutellaria lateriflora*)	--	2B.2	Meadows and seeps, marshes and swamps	No potential to occur. Habitat not present.
Suisun Marsh aster (*Symphyotrichum lentum*)	--	1B.2	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
Wright's trichocoronis (*Trichocoronis wrightii var. wrightii*)	--	2B.1	Marshes and swamps, riparian forest, meadows and seeps, vernal pools	No potential to occur. Habitat not present.
Saline clover (*Trifolium hydrophilum*)	--	1B.2	Marshes and swamps, grassland, vernal pools	No potential to occur. Habitat not present.
Caper-fruited tropidocarpum (*Tropidocarpum capparideum*)	--	1B.1	Grassland	Very low potential to occur requires alkaline soils not present in the project area.
Crustaceans				
Vernal Pool Fairy Shrimp (*Branchinecta lynchi*)	T	--	Vernal pool	No potential to occur. Habitat not present.
Vernal pool tadpole shrimp (*Lepidurus packardi*)	E	--	Grassland, vernal pool, wetland	No potential to occur. Habitat not present.
California linderiella (*Linderiella occidentalis*)	--	--	Vernal pool	No potential to occur. Habitat not present.
Insects				
Monarch butterfly (*Danaus Plexippus*)	C	--	Open fields and meadows, milkweed necessary for breeding	Very low potential to occur. Habitat not present.
Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*)	T	--	Riparian scrub	No potential to occur. Habitat and host plant not present. .
Fish				
Green sturgeon - southern DPS (*Acipenser medirostris*)	T	--	Estuary, marine bay	No potential to occur. Habitat not present.
Delta smelt (*Hypomesus transpacificus*)	T	E	Estuary	No potential to occur. Habitat not present.
Steelhead - Central Valley DPS (*Oncorhynchus mykiss irideus*)	T	--	Aquatic	No potential to occur. Habitat not present.

Species	Federal	State	Habitat Association	Potential to Occur
Longfin smelt (*Spirinchus thaleichthys*)	C	T	Aquatic	No potential to occur. Habitat not present.
Amphibians				
California tiger salamander - central California DPS (*Ambystoma californiense*)	T	T	Grassland, open woodland, vernal pool, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Western spadefoot (*Spea hammondii*)	--	SSC	Grassland habitats, vernal pools necessary for breeding	Very low potential to occur. No vernal pools.
Reptiles				
Western pond turtle (*Emys marmorata*)	--	SSC	Ponds, marshes, rivers, streams and irrigation ditches	Very low potential to occur. Potential habitat adjacent to project area.
Giant gartersnake (*Thamnophis gigas*)	T	T	Vicinity of freshwater marshes, ponds and slow-moving streams in San Mateo County and extreme northern Santa Cruz County.	Very low potential to occur. Habitat not present.
Birds				
Tricolored blackbird (*Agelaius tricolor*)	--	T, SSC	Freshwater marsh and swamp, wetland	Very low potential to occur for foraging purposes.
Burrowing owl (*Athene cunicularia*)	--	SSC	Grassland, desert, scrubland	Moderate potential to occur.
Swainson's hawk (*Buteo swainsoni*)	--	T	Grassland, riparian forest	Very low potential to occur for foraging purposes.
White-tailed kite (*Elanus leucurus*)	--	FP	Foothills with scattered oaks and river bottomlands, marshes near woodland	Very low potential to occur for foraging purposes.
Loggerhead shrike (*Lanius ludovicianus*)	--	SSC	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub, washes	Very low potential to occur for foraging purposes.
California black rail (*Laterallus jamaicensis coturniculus*)	--	T, FP	Marsh, swamp, wetland	No potential to occur. Habitat not present.
Song sparrow – "Modesto" population (*Melospiza melodia*)	--	SSC	Freshwater marshes, riparian thickets, sparsely vegetated irrigation canals, Valley Oak restoration sites	Very low potential to occur. Potential habitat adjacent to project area.
Least Bell's vireo (*Vireo bellii pusillus*)	E	E	Riparian forest, riparian scrub, riparian woodland	No potential to occur. Habitat not present.

Species	Federal	State	Habitat Association	Potential to Occur
Yellow-headed blackbird (*Xanthocephalus xanthocephalus*)	--	SSC	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
Mammals				
Riparian brush rabbit (*Sylvilagus bachmani riparius*)	E	E	Riparian forest	No potential to occur. Habitat not present.
American badger (*Taxidea taxus*)	--	SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Very low potential to occur due to disturbance.

Notes:

Sources:

California Department of Fish and Wildlife, 2022. California Natural Diversity Database search of proposed project area quadrangles (Stockton West,Terminous, Lodi South, Waterloo, Stockton East, Manteca, Lathrop, Union Island, and Holt).

USFWS, 2020. IPaC Resource List for San Francisco County, California. June 15, 2022.

1. Special status plant species listed in this table include plants with state or federal endangered species act designations.

--: not applicable

C: candidate

CNDDB: California Natural Diversity Database

CNPS: California Native Plant Society

DPS: distinct population segment

E: endangered

FP: California Department of Fish and Wildlife fully protected

R: Rare

Rare Plant Ranks:

1B.1: rare, threatened, or endangered in California and elsewhere; seriously threatened in California (more than 80% of occurrences threatened/high degree and immediacy of threat)

1B.2: rare, threatened, or endangered in California and elsewhere; moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

2B.1: rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California (more than 80% of occurrences threatened/high degree and immediacy of threat)

2B.2: rare, threatened, or endangered in California, but more common elsewhere; moderately threatened in California (20% to 80% of occurrences threatened/moderate degree and immediacy of threat)

2B.3: rare, threatened, or endangered in California, but more common elsewhere; not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

SSC: state species of special concern

T: threatened